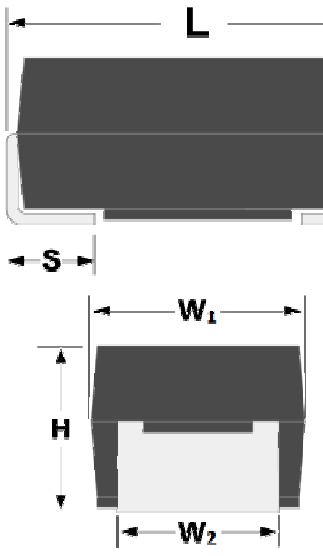
Chip conductive polymer tantalum capacitor HL55 Series

Product characteristicsProduct characteristicsProduct characteristics

- Has very low ESR and low ESL[equivalent series inductance], can be used in higher frequency filter circuit;
- Accidental breakdown does not burn or explode, will not cause fire and secondary breakdown effect, good safety;
- It is used in low-impedance switching power supply circuit, which is insensitive to inrush current and voltage, and only needs to be derated by 10-20% to ensure high safety and lower failure rate.
- Low internal resistance, with higher ripple resistance, greatly reduce the heat generated during filtering and high-power discharge, better filtering effect, more easily meet the technical requirements of the radiation-wave type;
- The reliability is one order of magnitude higher than that of chip tantalum capacitors with manganese dioxide cathode.
- It can be used in high ripple filter circuit and high power high frequency discharge circuit without large derating.

Product size(mm)

Case Code	EIA Code	EIA Metric	L	W_1	H	S	W_2
A	1206	3216－18	3.30±0.20	1.70±0.20	1.80±0.20	0.70±0.20	1.20±0.20
B	1210	3528－21	3.60±0.20	2.90±0.20	2.10±0.20	0.70±0.20	2.20±0.20
C	2312	6032－28	6.20±0.20	3.30±0.20	2.60±0.20	1.30±0.20	2.20±0.20
H	2917	7343－19	7.40±0.20	4.40±0.20	2.00±0.20	1.30±0.20	2.40±0.20
D	2917	7343－31	7.40±0.20	4.40±0.20	3.00±0.20	1.30±0.20	2.40±0.20
E	2917	7343－43	7.40±0.40	4.40±0.40	4.30±0.40	1.30±0.20	2.40±0.20
V	2924	7360－38	7.50±0.40	6.20±0.40	3.80±0.40	1.40±0.20	3.00±0.20



Product code

HL55	-	D	010	M	107	T	E080
Model number	separator	Case size See table above	Dc rated voltage 2R5=2.5Vdc; 004=4Vdc; 6R3=6.3Vdc; 010=10Vdc 016=16Vdc; 020=20Vdc 025=25Vdc; 035=35Vdc 050=50Vdc; 063=63Vdc	Capacity tolerance K=±10% M=±20%	Capacity code The first 2 digits are sign ificant digits in Pf, and t he third digit is an expo nent. (i.e. how many zer os are followed by a sig nificant number)	Packing method T= braid	ESR The last three digits are ESR values, in m Ω(080=80mΩ).

Environmental statement

The RoHS Declaration (6/6) is in compliance with the requirements of Directive 2002/95/EC, which stipulates the use of 100%Sn solders, gold-coated or non-magnetic 100%Sn solders.

LEAD-FREE

RoHS Compliant

Product identification

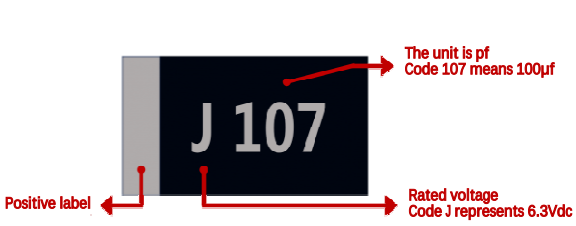


Figure 1 Illustration of product print identification for 6.3V100B

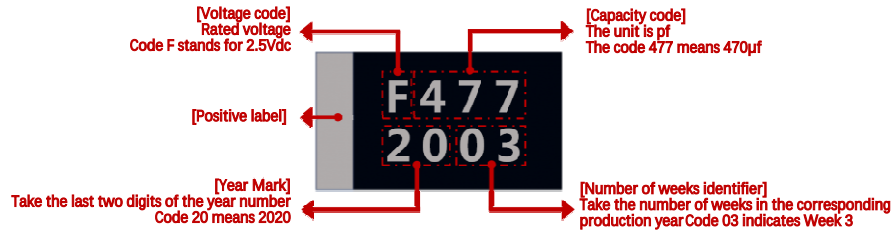


FIG. 2 Illustration of product print identification of 2.5V470H

Technical characteristics

Technical parameter	All technical parameters were measured at 1 atmosphere at +25 ° C
Used temperature range	-55℃ ～ +125℃
Nominal capacity range	0.47～ 1000μFat100Hz
Capacity tolerance	Class M (±20%);
Dc leakage current DCL	0.1CV(μA) to reach the rated voltage after charging 5 minutes measurement
Equivalent series resistance ESR	See the table "Product Codes and Specifications"
Pin coating	Pure tin coating (standard), gold coating or tin lead coating to separate requirements
Resistance to welding heat	No more than 3×260℃.10s reflow welding

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Product Specification Shell number comparison table (shell number and ESR)

Rated voltage (V)	2.5	4	6.3	10	16
Voltage code	F	G	J	A	C
Nominal capacity (μF)	Shell number & ESR				
1					A(250,400,650),B(120),
1.5					B(120),
2.2					B(150),
3.3					A(150), B(150,200),
4.7				A(100),	A(150,250), B(150,180,200), C(80),
6.8				A(120,200),	A(150), B(150,180,200), C(100),
10			A(100,150,200),	A(70,150,300), B(120,200,350),	A(250), B(150,200,300), C(90),
15		A(100,150), B(150),	A(180), B(150),	A(120,180), B(150), C(100),	B(150,180,200), C(80,100), D(60),
22		A(200), B(180), C(100),	A(150,250), B(150), C(80),	A(150,300,650), B(120,180), C(100),	B(150,250,300), C(80,100), D(40,60), E(60),
33		A(150,200), B(180), C(100),	A(120,180,250), B(90,130,200), C(60,100),	B(150,200,250), C(80,100),	B(100,200),C(80,100), H(25,40),D(40,60), E(50),
47	A(200),	A(150,250), B(180), C(100),	A(150,250), B(100,200), C(80),	B(80,100,130), C(80,100),	C(100), H(25,50),D(50,70,100), E(40,60),
68	A(150,250),	A(200), B(100,150,200), C(80),	A(200), B(100,150,250),C(80,100), D(60),	C(80,100), H(25,35,50),D(40,60,100),	H(25,50), D(60,80), E(40,60),
100	A(250), B(100,150,200),	A(120,180,250), B(50,100,180), C(80),	A(200), B(70,150,350), C(80,100,120), H(35), D(60),	B(70,150,300),C(50,80,100), H(25,50,80),D(25,45,90),	C(80,100),H(40), D(80,100), E(40,60),
150	B(180),	B(40,100,150), C(60,100,120), H(35,70), D(60),	B(100,180,250), C(80,100),H(35,70), D(30,60,100),	C(100), H(25,50),D(40,60,80), E(50),	H(80),D(50,80), E(40,60),V(40),
220	B(100,150,200), C(50,100),H(35,70), D(60),	B(120,250,300), C(60,100),H(35,70), D(60,100),	B(100,180,250), C(40,100), H(25,40,70), D(60,100), E(50),	C(30,60,100),H(25,50, 70), D(70,100), E(50),	D(60,100),E(40,70,100), V(30,50),
330	B(150,200), C(50,100),H(35,70), D(60,100,200),	C(80,150),H(35,70), D(70,100), E(50),	H(30,50,80), D(25,30,60), E(50),	H(30,50,80),D(20,70), E(40,60),V(40),	E(40,50,60),V(30,50),
470	D(25,30,40,80),				
680	C(70,100), H(26,30,50), D(50,70,100),	H(25,30,80), D(80,120), E(50),	H(40,80), D(80,100), E(50,100), V(40),		
1000	D(50,100), E(50),	D(100), E(50,100), V(40),	E(50),		

Continue form

Rated voltage (V)	20	25	35	50	63
Voltage code	D	E	V	T	J*
Nominal capacity (μF)	Shell number & ESR				
0.68		B(200),	B(200),	B(200,250),	
1	B(150),	B(150)	B(200),	B(200,250),	B(200),C(100,120),D(100),
1.5	B(150),	B(150),C(80),	A(300),B(200,250), C(100),	B(200,250),C(70,100),	C(100,120),D(100),
2.2	A(150),B(150,250)	A(250,350,650), B(150,250),C(80,100)	B(150,200),C(100),	B(200),C(70,100),	C(100),D(100),
3.3	A(150),B(150,250), C(100),	B(150,200),C(80,100),	B(150,200),C(100),	C(80),D(60)	C(100),D(100),
4.7	B(180,250),C(80,100)	B(120,160,200), C(80,100),	B(150,200),C(100),	C(100),D(60,200),	C(100),D(60,80,100), E(50),
6.8	B(180,250),C(80,100)	B(150,200,250), C(80,100),	C(80),D(80),	C(80),D(30,80,100), H(25,50),	D(100),E(30,60),
10	B(100,150,200), C(80,100)	B(150,180,200), C(80,100),D(80),	B(150),C(80),D(80), E(50),H(25,50),	D(60,80),E(30,60),	D(100),E(30,40,50),
15	B(200),C(80,100), D(80,120)	B(180,250),C(70), D(80),E(50),H(35),	C(70),D(60,80),E(50), H(25,50),	E(30,60),V(40),	E(30,40,50),V(40),
22	B(150,250,300), C(80,100),D(70,100), E(30,50),H(25,35,50),	B(220),C(70,100), D(80,100,120),E(50), H(25,50),	C(80,150), D(30,70,150),E(50),	E(30,60),V(40),	
33	C(70),D(60,100), E(30,50),H(35)	D(60,100,150),E(50), H(25,50),	D(60,80),E(30,50,60), V(40),	E(50),V(40),	
47	C(100),D(60,100), E(30,50),H(25,35,50)	D(60,80,100),E(30,60), H(30,80,150),	D(80,150),E(30,60,100), V(40),		
68	D(50,80),E(30,50),	H(50,70),D(80,120), E(30,60),V(40),	E(80,100),V(70),		
100	H(80,150),D(100), E(30,60),V(40),	D(100),E(60,80,100), V(40),	E(80,100),V(70),		
150	E(50),V(40),	V(40),			
220	E(50),V(40),				

Product code and parameter specification

Product code	Rated voltage	Nominal capacity	Shell number	Leakage current @+25℃	Loss value @+25℃,100Hz	Equivalent series resistance@+25℃,100KHz	100kHz maximum Ripple current (mA)			Maximum operating temperature	MSL
	V	μF		μA	%	mΩ	+45℃	+85℃	+125℃	℃	
HL55-A2R5#476TE200	2.5	47	A	12	8	200	592	532	237	125	3
HL55-A2R5#686TE150	2.5	68	A	17	6	150	683	615	273	125	3
HL55-A2R5#686TE250	2.5	68	A	17	8	250	529	476	212	125	3
HL55-A2R5#107TE250	2.5	100	A	25	6	250	529	476	212	125	3
HL55-B2R5#107TE100	2.5	100	B	25	8	100	894	805	358	125	3
HL55-B2R5#107TE150	2.5	100	B	25	8	150	730	657	292	125	3
HL55-B2R5#107TE200	2.5	100	B	25	8	200	632	569	253	125	3
HL55-B2R5#157TE180	2.5	150	B	38	6	180	667	600	267	125	3
HL55-B2R5#227TE100	2.5	220	B	55	8	100	894	805	358	125	3
HL55-B2R5#227TE150	2.5	220	B	55	8	150	730	657	292	125	3
HL55-B2R5#227TE200	2.5	220	B	55	8	200	632	569	253	125	3
HL55-C2R5#227TE050	2.5	220	C	55	8	50	1342	1207	537	125	3
HL55-C2R5#227TE100	2.5	220	C	55	8	100	949	854	379	125	3
HL55-D2R5#227TE060	2.5	220	D	55	10	60	1384	1246	554	125	3
HL55-H2R5#227TE035	2.5	220	H	55	10	35	1732	1559	693	125	3
HL55-H2R5#227TE070	2.5	220	H	55	10	70	1225	1102	490	125	3
HL55-B2R5#337TE150	2.5	330	B	83	8	150	730	657	292	125	3
HL55-B2R5#337TE200	2.5	330	B	83	8	200	632	569	253	125	3
HL55-C2R5#337TE050	2.5	330	C	83	8	50	1342	1207	537	125	3
HL55-C2R5#337TE100	2.5	330	C	83	8	100	949	854	379	125	3
HL55-D2R5#337TE060	2.5	330	D	83	8	60	1384	1246	554	125	3
HL55-D2R5#337TE100	2.5	330	D	83	8	100	1072	965	429	125	3
HL55-D2R5#337TE200	2.5	330	D	83	8	200	758	682	303	125	3
HL55-H2R5#337TE035	2.5	330	H	83	10	35	1732	1559	693	125	3
HL55-H2R5#337TE070	2.5	330	H	83	10	70	1225	1102	490	125	3
HL55-D2R5#367TE025	2.5	360	D	90	6	25	2145	1930	858	125	3
HL55-D2R5#367TE030	2.5	360	D	90	6	30	1958	1762	783	125	3
HL55-D2R5#367TE040	2.5	360	D	90	6	40	1696	1526	678	125	3
HL55-D2R5#367TE080	2.5	360	D	90	6	80	1199	1079	480	125	3
HL55-C2R5#477TE070	2.5	470	C	118	8	70	1134	1021	454	125	3
HL55-C2R5#477TE100	2.5	470	C	118	8	100	949	854	379	125	3
HL55-D2R5#477TE050	2.5	470	D	118	6	50	1517	1365	607	125	3
HL55-D2R5#477TE070	2.5	470	D	118	10	70	1282	1154	513	125	3
HL55-D2R5#477TE100	2.5	470	D	118	10	100	1072	965	429	125	3
HL55-H2R5#477TE026	2.5	470	H	60	10	26	2010	1809	804	125	3
HL55-H2R5#477TE030	2.5	470	H	118	10	30	1871	1684	748	125	3
HL55-H2R5#477TE050	2.5	470	H	118	10	50	1449	1304	580	125	3
HL55-D2R5#687TE050	2.5	680	D	170	10	50	1517	1365	607	125	3
HL55-D2R5#687TE100	2.5	680	D	170	10	100	1072	965	429	125	3
HL55-E2R5#687TE050	2.5	680	E	170	10	50	1581	1423	632	125	3
HL55-D2R5#108TE100	2.5	1000	D	250	10	100	1072	965	429	125	3
HL55-E2R5#108TE050	2.5	1000	E	250	10	50	1581	1423	632	125	3
HL55-V2R5#108TE040	2.5	1000	V	250	10	40	1936	1743	775	125	3
HL55-A004#156TE100	4	15	A	6.0	6	100	837	753	335	125	3
HL55-A004#156TE150	4	15	A	6.0	10	150	683	615	273	125	3
HL55-B004#156TE150	4	15	B	6.0	10	150	730	657	292	125	3
HL55-A004#226TE200	4	22	A	8.8	6	200	592	532	237	125	3
HL55-B004#226TE180	4	22	B	8.8	10	180	667	600	267	125	3
HL55-C004#226TE100	4	22	C	8.8	10	100	949	854	379	125	3
HL55-A004#336TE150	4	33	A	13	6	150	683	615	273	125	3
HL55-A004#336TE200	4	33	A	13	8	200	592	532	237	125	3
HL55-B004#336TE180	4	33	B	13	10	180	667	600	267	125	3
HL55-C004#336TE100	4	33	C	13	10	100	949	854	379	125	3
HL55-A004#476TE150	4	47	A	19	6	150	683	615	273	125	3
HL55-A004#476TE250	4	47	A	19	8	250	529	476	212	125	3

1 # is the replacement character to indicate the capacity tolerance, M means ±20%;

2 Do not use a multimeter;

3 Capacity and loss measurement conditions: 100Hz, $U_{\_\_}$=2.2$^{0}_{-1}$V, U~=1.0$^{0}_{-0.5}$V, Frequency=100Hz, Series measurement

4 If the ambient temperature is higher than +85 ° C, the derating voltage is required. (The leakage current parameter is the reading after 5 minutes of power-on.)

5 For special sizes or requirements please contact us.

Product code and parameter specification

Product code	Rated voltage	Nominal capacity	Shell number	Leakage current @+25℃	Loss value @+25℃,100Hz	Equivalent series resistance@+25℃,100KHz	100kHz maximum Ripple current (mA)			Maximum operating temperature	MSL
	V	μF		μA	%	mΩ	+45℃	+85℃	+125℃	℃	
HL55-B004#476TE180	4	47	B	19	10	180	667	600	267	125	3
HL55-C004#476TE100	4	47	C	19	10	100	949	854	379	125	3
HL55-A004#686TE200	4	68	A	27	6	200	592	532	237	125	3
HL55-B004#686TE100	4	68	B	27	8	100	894	805	358	125	3
HL55-B004#686TE150	4	68	B	27	8	150	730	657	292	125	3
HL55-B004#686TE200	4	68	B	27	8	200	632	569	253	125	3
HL55-C004#686TE080	4	68	C	27	10	80	1061	955	424	125	3
HL55-A004#107TE120	4	100	A	40	8	120	764	687	306	125	3
HL55-A004#107TE180	4	100	A	40	8	180	624	561	249	125	3
HL55-A004#107TE250	4	100	A	40	10	250	529	476	212	125	3
HL55-B004#107TE050	4	100	B	40	8	50	1265	1138	506	125	3
HL55-B004#107TE100	4	100	B	40	8	100	894	805	358	125	3
HL55-B004#107TE180	4	100	B	40	8	180	667	600	267	125	3
HL55-C004#107TE080	4	100	C	40	10	80	1061	955	424	125	3
HL55-B004#157TE040	4	150	B	60	8	40	1414	1273	566	125	3
HL55-B004#157TE100	4	150	B	60	8	100	894	805	358	125	3
HL55-B004#157TE150	4	150	B	60	8	150	730	657	292	125	3
HL55-C004#157TE060	4	150	C	60	8	60	1225	1102	490	125	3
HL55-C004#157TE100	4	150	C	60	8	100	949	854	379	125	3
HL55-C004#157TE120	4	150	C	60	8	120	866	779	346	125	3
HL55-D004#157TE060	4	150	D	60	10	60	1384	1246	554	125	3
HL55-H004#157TE035	4	150	H	60	6	35	1732	1559	693	125	3
HL55-H004#157TE070	4	150	H	60	10	70	1225	1102	490	125	3
HL55-B004#227TE120	4	220	B	100	10	120	816	735	327	125	3
HL55-B004#227TE200	4	220	B	100	10	250	566	509	226	125	3
HL55-B004#227TE300	4	220	B	100	10	300	516	465	207	125	3
HL55-C004#227TE060	4	220	C	88	8	60	1225	1102	490	125	3
HL55-C004#227TE100	4	220	C	88	8	100	949	854	379	125	3
HL55-D004#227TE060	4	220	D	88	10	60	1384	1246	554	125	3
HL55-D004#227TE100	4	220	D	88	10	100	1072	965	429	125	3
HL55-H004#227TE035	4	220	H	88	10	35	1732	1559	693	125	3
HL55-H004#227TE070	4	220	H	88	10	70	1225	1102	490	125	3
HL55-C004#337TE080	4	330	C	132	8	80	1061	955	424	125	3
HL55-C004#337TE150	4	330	C	132	8	150	775	697	310	125	3
HL55-D004#337TE070	4	330	D	132	10	70	1282	1154	513	125	3
HL55-D004#337TE100	4	330	D	132	10	100	1072	965	429	125	3
HL55-E004#337TE050	4	330	E	132	10	50	1581	1423	632	125	3
HL55-H004#337TE035	4	330	H	132	6	35	1732	1559	693	125	3
HL55-H004#337TE070	4	330	H	132	10	70	1225	1102	490	125	3
HL55-D004#477TE080	4	470	D	188	10	80	1199	1079	480	125	3
HL55-D004#477TE120	4	470	D	188	10	120	979	881	392	125	3
HL55-E004#477TE050	4	470	E	188	10	50	1581	1423	632	125	3
HL55-H004#477TE025	4	470	H	188	10	25	2049	1844	820	125	3
HL55-H004#477TE030	4	470	H	188	10	30	1871	1684	748	125	3
HL55-H004#477TE080	4	470	H	188	10	80	1146	1031	458	125	3
HL55-D004#687TE100	4	680	D	272	10	100	1072	965	429	125	3
HL55-E004#687TE050	4	680	E	272	10	50	1581	1423	632	125	3
HL55-E004#687TE100	4	680	E	272	10	100	1118	1006	447	125	3
HL55-V004#687TE040	4	680	V	272	10	40	1936	1743	775	125	3
HL55-A6R3#106TE100	6.3	10	A	6.3	6	100	837	753	335	125	3
HL55-A6R3#106TE150	6.3	10	A	6.3	10	150	683	615	273	125	3
HL55-A6R3#106TE200	6.3	10	A	6.3	10	200	592	532	237	125	3
HL55-A6R3#156TE180	6.3	15	A	9.5	6	180	624	561	249	125	3
HL55-B6R3#156TE150	6.3	15	B	9.5	10	150	730	657	292	125	3
HL55-A6R3#226TE150	6.3	22	A	14	6	150	683	615	273	125	3

1 # is the replacement character to indicate the capacity tolerance, M means ±20%;

2 Do not use a multimeter;

3 Capacity and loss measurement conditions: 100Hz, $U_{\_\_}=2.2^{0}_{-1}V$, $U\sim=1.0^{0}_{-0.5}V$, Frequency=100Hz, Series measurement

4 If the ambient temperature is higher than +85 ° C, the derating voltage is required. (The leakage current parameter is the reading after 5 minutes of power-on.)

5 For special sizes or requirements please contact us.

Product code and parameter specification

Product code	Rated voltage	Nominal capacity	Shell number	Leakage current @+25℃	Loss value @+25℃,100Hz	Equivalent series resistance@+25 ℃,100KHz	100kHz maximum Ripple current (mA)			Maximum operating temperature	MSL
	V	μF		μA	%	mΩ	+45℃	+85℃	+125℃	℃	
HL55-A6R3#226TE250	6.3	22	A	14	8	250	529	476	212	125	3
HL55-B6R3#226TE150	6.3	22	B	14	10	150	730	657	292	125	3
HL55-C6R3#226TE080	6.3	22	C	14	10	80	1061	955	424	125	3
HL55-A6R3#336TE120	6.3	33	A	21	6	120	764	687	306	125	3
HL55-A6R3#336TE180	6.3	33	A	21	8	180	624	561	249	125	3
HL55-A6R3#336TE250	6.3	33	A	21	8	250	529	476	212	125	3
HL55-B6R3#336TE090	6.3	33	B	21	6	90	943	849	377	125	3
HL55-B6R3#336TE130	6.3	33	B	21	8	130	784	706	314	125	3
HL55-B6R3#336TE200	6.3	33	B	21	10	200	632	569	253	125	3
HL55-C6R3#336TE060	6.3	33	C	21	8	60	1225	1102	490	125	3
HL55-C6R3#336TE100	6.3	33	C	21	10	100	949	854	379	125	3
HL55-A6R3#476TE150	6.3	47	A	30	6	150	683	615	273	125	3
HL55-A6R3#476TE250	6.3	47	A	30	8	250	529	476	212	125	3
HL55-B6R3#476TE100	6.3	47	B	30	8	100	894	805	358	125	3
HL55-B6R3#476TE200	6.3	47	B	30	10	200	632	569	253	125	3
HL55-C6R3#476TE080	6.3	47	C	30	10	80	1061	955	424	125	3
HL55-A6R3#686TE200	6.3	68	A	43	8	200	592	532	237	125	3
HL55-B6R3#686TE100	6.3	68	B	43	8	100	894	805	358	125	3
HL55-B6R3#686TE150	6.3	68	B	43	8	150	730	657	292	125	3
HL55-B6R3#686TE250	6.3	68	B	43	8	250	566	509	226	125	3
HL55-C6R3#686TE080	6.3	68	C	43	8	80	1061	955	424	125	3
HL55-C6R3#686TE100	6.3	68	C	43	10	100	949	854	379	125	3
HL55-D6R3#686TE060	6.3	68	D	43	10	60	1384	1246	554	125	3
HL55-A6R3#107TE200	6.3	100	A	63	8	200	592	532	237	125	3
HL55-B6R3#107TE080	6.3	100	B	100	10	70	1069	962	428	125	3
HL55-B6R3#107TE150	6.3	100	B	100	10	150	730	657	292	125	3
HL55-B6R3#107TE350	6.3	100	B	100	10	350	478	430	191	125	3
HL55-C6R3#107TE080	6.3	100	C	63	8	80	1061	955	424	125	3
HL55-C6R3#107TE100	6.3	100	C	63	8	100	949	854	379	125	3
HL55-C6R3#107TE120	6.3	100	C	63	10	120	866	779	346	125	3
HL55-D6R3#107TE060	6.3	100	D	63	10	60	1384	1246	554	125	3
HL55-H6R3#107TE035	6.3	100	H	63	10	35	1732	1559	693	125	3
HL55-B6R3#157TE100	6.3	150	B	95	8	100	894	805	358	125	3
HL55-B6R3#157TE180	6.3	150	B	95	8	180	667	600	267	125	3
HL55-B6R3#157TE250	6.3	150	B	95	8	250	566	509	226	125	3
HL55-C6R3#157TE080	6.3	150	C	95	8	80	1061	955	424	125	3
HL55-C6R3#157TE100	6.3	150	C	95	8	100	949	854	379	125	3
HL55-D6R3#157TE030	6.3	150	D	95	10	30	1958	1762	783	125	3
HL55-D6R3#157TE060	6.3	150	D	95	10	60	1384	1246	554	125	3
HL55-D6R3#157TE100	6.3	150	D	95	10	100	1072	965	429	125	3
HL55-H6R3#157TE035	6.3	150	H	95	10	35	1732	1559	693	125	3
HL55-H6R3#157TE070	6.3	150	H	95	10	70	1225	1102	490	125	3
HL55-B6R3#227TE100	6.3	220	B	139	8	100	894	805	358	125	3
HL55-B6R3#227TE180	6.3	220	B	139	8	180	667	600	267	125	3
HL55-B6R3#227TE250	6.3	220	B	139	10	250	566	509	226	125	3
HL55-C6R3#227TE040	6.3	220	C	139	8	40	1500	1350	600	125	3
HL55-C6R3#227TE100	6.3	220	C	139	8	100	949	854	379	125	3
HL55-D6R3#227TE060	6.3	220	D	139	10	60	1384	1246	554	125	3
HL55-D6R3#227TE100	6.3	220	D	139	10	100	1072	965	429	125	3
HL55-E6R3#227TE050	6.3	220	E	139	10	50	1581	1423	632	125	3
HL55-H6R3#227TE025	6.3	220	H	139	6	25	2049	1844	820	125	3
HL55-H6R3#227TE040	6.3	220	H	139	10	40	1620	1458	648	125	3
HL55-H6R3#227TE070	6.3	220	H	139	10	70	1225	1102	490	125	3
HL55-C6R3#337TE050	6.3	330	C	208	10	50	1342	1207	537	125	3
HL55-C6R3#337TE100	6.3	330	C	208	10	100	949	854	379	125	3

1 # is the replacement character to indicate the capacity tolerance, M means ±20%;
2 Do not use a multimeter;
3 Capacity and loss measurement conditions: 100Hz, $U_{\_\_}=2.2^{0}_{-1}V$, $U\sim=1.0^{0}_{-0.5}V$, Frequency=100Hz, Series measurement
4 If the ambient temperature is higher than +85 ° C, the derating voltage is required. (The leakage current parameter is the reading after 5 minutes of power-on.)
5 For special sizes or requirements please contact us.

Product code and parameter specification

Product code	Rated voltage	Nominal capacity	Shell number	Leakage current @+25℃	Loss value @+25℃,100Hz	Equivalent series resistance@+25 ℃,100KHz	100kHz maximum Ripple current (mA)			Maximum operating temperature	MSL
	V	μF		μA	%	mΩ	+45℃	+85℃	+125℃	℃	
HL55-D6R3#337TE025	6.3	330	D	208	10	25	2145	1930	858	125	3
HL55-D6R3#337TE030	6.3	330	D	208	10	30	1958	1762	783	125	3
HL55-D6R3#337TE060	6.3	330	D	208	10	60	1384	1246	554	125	3
HL55-E6R3#337TE050	6.3	330	E	208	10	50	1581	1423	632	125	3
HL55-H6R3#337TE030	6.3	330	H	208	10	30	1871	1684	748	125	3
HL55-H6R3#337TE050	6.3	330	H	208	10	50	1449	1304	580	125	3
HL55-H6R3#337TE080	6.3	330	H	208	10	80	1146	1031	458	125	3
HL55-D6R3#477TE080	6.3	470	D	296	10	80	1199	1079	480	125	3
HL55-D6R3#477TE100	6.3	470	D	296	10	100	1072	965	429	125	3
HL55-E6R3#477TE050	6.3	470	E	296	10	50	1581	1423	632	125	3
HL55-E6R3#477TE100	6.3	470	E	296	10	100	1118	1006	447	125	3
HL55-H6R3#477TE040	6.3	470	H	296	10	40	1620	1458	648	125	3
HL55-H6R3#477TE080	6.3	470	H	296	10	80	1146	1031	458	125	3
HL55-V6R3#477TE040	6.3	470	V	296	10	40	1936	1743	775	125	3
HL55-E6R3#687TE050	6.3	680	E	428	10	50	1581	1423	632	125	3
HL55-A010#475TE100	10	4.7	A	4.7	10	100	837	753	335	125	3
HL55-A010#685TE120	10	6.8	A	6.8	10	120	764	687	306	125	3
HL55-A010#685TE200	10	6.8	A	6.8	10	200	592	532	237	125	3
HL55-A010#106TE070	10	10	A	10	8	70	1000	900	400	125	3
HL55-A010#106TE150	10	10	A	10	8	150	683	615	273	125	3
HL55-A010#106TE180	10	10	A	10	10	300	483	435	193	125	3
HL55-B010#106TE120	10	10	B	10	10	120	816	735	327	125	3
HL55-B010#106TE200	10	10	B	10	10	200	632	569	253	125	3
HL55-B010#106TE350	10	10	B	10	10	350	478	430	191	125	3
HL55-A010#156TE120	10	15	A	15	6	120	764	687	306	125	3
HL55-A010#156TE180	10	15	A	15	8	180	624	561	249	125	3
HL55-B010#156TE150	10	15	B	15	10	150	730	657	292	125	3
HL55-C010#156TE100	10	15	C	15	10	100	949	854	379	125	3
HL55-A010#226TE150	10	22	A	22	8	150	683	615	273	125	3
HL55-A010#226TE300	10	22	A	22	8	300	483	435	193	125	3
HL55-A010#226TE650	10	22	A	22	8	650	328	295	131	125	3
HL55-B010#226TE120	10	22	B	22	6	120	816	735	327	125	3
HL55-B010#226TE180	10	22	B	22	10	180	667	600	267	125	3
HL55-C010#226TE100	10	22	C	22	10	100	949	854	379	125	3
HL55-B010#336TE150	10	33	B	33	6	150	730	657	292	125	3
HL55-B010#336TE200	10	33	B	33	8	200	632	569	253	125	3
HL55-B010#336TE250	10	33	B	33	10	250	566	509	226	125	3
HL55-C010#336TE080	10	33	C	33	6	80	1061	955	424	125	3
HL55-C010#336TE100	10	33	C	33	10	100	949	854	379	125	3
HL55-B010#476TE080	10	47	B	47	8	80	1000	900	400	125	3
HL55-B010#476TE100	10	47	B	47	8	100	894	805	358	125	3
HL55-B010#476TE130	10	47	B	47	10	130	784	706	314	125	3
HL55-C010#476TE080	10	47	C	47	8	80	1061	955	424	125	3
HL55-C010#476TE100	10	47	C	47	10	100	949	854	379	125	3
HL55-C010#686TE080	10	68	C	68	6	80	1061	955	424	125	3
HL55-C010#686TE100	10	68	C	68	8	100	949	854	379	125	3
HL55-D010#686TE040	10	68	D	68	10	40	1696	1526	678	125	3
HL55-D010#686TE060	10	68	D	68	10	60	1384	1246	554	125	3
HL55-D010#686TE100	10	68	D	68	10	100	1072	965	429	125	3
HL55-H010#686TE025	10	68	H	68	10	25	2049	1844	820	125	3
HL55-H010#686TE035	10	68	H	68	10	35	1732	1559	693	125	3
HL55-H010#686TE050	10	68	H	68	10	50	1449	1304	580	125	3
HL55-B010#107TE070	10	100	B	100	10	70	1069	962	428	125	3
HL55-B010#107TE150	10	100	B	100	10	150	730	657	292	125	3
HL55-B010#107TE300	10	100	B	100	10	300	516	465	207	125	3

1 # is the replacement character to indicate the capacity tolerance, M means ±20%;
2 Do not use a multimeter;
3 Capacity and loss measurement conditions: 100Hz, $U_{\_\_}$=2.2$^{0}_{-1}$V, U~=1.0$^{0}_{-0.5}$V, Frequency=100Hz, Series measurement
4 If the ambient temperature is higher than +85 ° C, the derating voltage is required. (The leakage current parameter is the reading after 5 minutes of power-on.)
5 For special sizes or requirements please contact us.

Product code and parameter specification

Product code	Rated voltage	Nominal capacity	Shell number	Leakage current @+25℃	Loss value @+25℃,100Hz	Equivalent series resistance@+25 ℃,100KHz	100kHz maximum Ripple current (mA)			Maximum operating temperature	MSL
	V	μF		μA	%	mΩ	+45℃	+85℃	+125℃	℃	
HL55-C010#107TE050	10	100	C	100	8	50	1342	1207	537	125	3
HL55-C010#107TE080	10	100	C	100	8	80	1061	955	424	125	3
HL55-C010#107TE100	10	100	C	100	10	100	949	854	379	125	3
HL55-D010#107TE020	10	100	D	100	6	25	2145	1930	858	125	3
HL55-D010#107TE035	10	100	D	100	10	45	1599	1439	639	125	3
HL55-D010#107TE060	10	100	D	100	10	90	1130	1017	452	125	3
HL55-H010#107TE025	10	100	H	100	10	25	2049	1844	820	125	3
HL55-H010#107TE050	10	100	H	100	10	50	1449	1304	580	125	3
HL55-H010#107TE080	10	100	H	100	10	80	1146	1031	458	125	3
HL55-C010#157TE100	10	150	C	150	8	100	949	854	379	125	3
HL55-D010#157TE040	10	150	D	150	10	40	1696	1526	678	125	3
HL55-D010#157TE060	10	150	D	150	10	60	1384	1246	554	125	3
HL55-D010#157TE080	10	150	D	150	10	80	1199	1079	480	125	3
HL55-E010#157TE050	10	150	E	150	10	50	1581	1423	632	125	3
HL55-H010#157TE025	10	150	H	150	6	25	2049	1844	820	125	3
HL55-H010#157TE050	10	150	H	150	10	50	1449	1304	580	125	3
HL55-C010#227TE030	10	220	C	220	10	30	1732	1559	693	125	3
HL55-C010#227TE060	10	220	C	220	10	60	1225	1102	490	125	3
HL55-C010#227TE100	10	220	C	220	10	100	949	854	379	125	3
HL55-D010#227TE070	10	220	D	220	10	70	1282	1154	513	125	3
HL55-D010#227TE100	10	220	D	220	10	100	1072	965	429	125	3
HL55-E010#227TE050	10	220	E	220	10	50	1581	1423	632	125	3
HL55-H010#227TE025	10	220	H	220	6	25	2049	1844	820	125	3
HL55-H010#227TE050	10	220	H	220	10	50	1449	1304	580	125	3
HL55-H010#227TE070	10	220	H	220	10	70	1225	1102	490	125	3
HL55-H010#337TE030	10	330	H	330	10	30	1871	1684	748	125	3
HL55-H010#337TE050	10	330	H	330	10	50	1449	1304	580	125	3
HL55-H010#337TE080	10	330	H	330	10	80	1146	1031	458	125	3
HL55-D010#337TE020	10	330	D	330	8	20	2398	2158	959	125	3
HL55-D010#337TE070	10	330	D	330	8	70	1282	1154	513	125	3
HL55-E010#337TE040	10	330	E	330	10	40	1768	1591	707	125	3
HL55-E010#337TE060	10	330	E	330	10	60	1443	1299	577	125	3
HL55-V010#337TE040	10	330	V	330	10	40	1936	1743	775	125	3
HL55-A016#105TE250	16	1	A	5.0	10	250	529	476	212	125	3
HL55-A016#105TE400	16	1	A	5.0	10	400	418	376	167	125	3
HL55-A016#105TE650	16	1	A	5.0	10	650	328	295	131	125	3
HL55-B016#105TE120	16	1	B	5.0	10	120	816	735	327	125	3
HL55-B016#155TE150	16	1.5	B	5.0	10	150	730	657	292	125	3
HL55-B016#225TE150	16	2.2	B	5.0	10	150	730	657	292	125	3
HL55-A016#335TE150	16	3.3	A	5.3	10	150	683	615	273	125	3
HL55-B016#335TE150	16	3.3	B	5.3	10	150	730	657	292	125	3
HL55-B016#335TE200	16	3.3	B	5.3	10	200	632	569	253	125	3
HL55-A016#475TE150	16	4.7	A	7.5	10	150	683	615	273	125	3
HL55-A016#475TE250	16	4.7	A	7.5	10	250	529	476	212	125	3
HL55-B016#475TE150	16	4.7	B	7.5	10	150	730	657	292	125	3
HL55-B016#475TE180	16	4.7	B	7.5	10	180	667	600	267	125	3
HL55-B016#475TE200	16	4.7	B	7.5	10	200	632	569	253	125	3
HL55-C016#475TE080	16	4.7	C	7.5	10	80	1061	955	424	125	3
HL55-A016#685TE150	16	6.8	A	10.9	6	150	683	615	273	125	3
HL55-B016#685TE150	16	6.8	B	10.9	10	150	730	657	292	125	3
HL55-B016#685TE180	16	6.8	B	10.9	10	180	667	600	267	125	3
HL55-B016#685TE200	16	6.8	B	10.9	10	200	632	569	253	125	3
HL55-C016#685TE100	16	6.8	C	10.9	10	100	949	854	379	125	3
HL55-A016#106TE250	16	10	A	16	6	250	529	476	212	125	3
HL55-B016#106TE150	16	10	B	16	6	150	730	657	292	125	3

1 # is the replacement character to indicate the capacity tolerance, M means ±20%;

2 Do not use a multimeter;

3 Capacity and loss measurement conditions: 100Hz, $U_{=}=2.2^{0}_{-1}$V, $U_{\sim}=1.0^{0}_{-0.5}$V, Frequency=100Hz, Series measurement

4 If the ambient temperature is higher than +85 ° C, the derating voltage is required. (The leakage current parameter is the reading after 5 minutes of power-on.)

5 For special sizes or requirements please contact us.

Product code and parameter specification

Product code	Rated voltage	Nominal capacity	Shell number	Leakage current @+25℃	Loss value @+25℃,100Hz	Equivalent series resistance@+25 ℃,100KHz	100kHz maximum Ripple current (mA)			Maximum operating temperature	MSL
	V	μF		μA	%	mΩ	+45℃	+85℃	+125℃	℃	
HL55-B016#106TE200	16	10	B	16	10	200	632	569	253	125	3
HL55-B016#106TE300	16	10	B	16	10	300	516	465	207	125	3
HL55-C016#106TE090	16	10	C	16	10	90	1000	900	400	125	3
HL55-B016#156TE150	16	15	B	24	6	150	730	657	292	125	3
HL55-B016#156TE180	16	15	B	24	10	180	667	600	267	125	3
HL55-B016#156TE200	16	15	B	24	10	200	632	569	253	125	3
HL55-C016#156TE080	16	15	C	24	10	80	1061	955	424	125	3
HL55-C016#156TE100	16	15	C	24	10	100	949	854	379	125	3
HL55-D016#156TE060	16	15	D	24	10	60	1384	1246	554	125	3
HL55-B016#226TE150	16	22	B	35	6	150	730	657	292	125	3
HL55-B016#226TE250	16	22	B	35	6	250	566	509	226	125	3
HL55-B016#226TE300	16	22	B	35	6	300	516	465	207	125	3
HL55-C016#226TE080	16	22	C	35	10	80	1061	955	424	125	3
HL55-C016#226TE100	16	22	C	35	10	100	949	854	379	125	3
HL55-D016#226TE040	16	22	D	35	10	40	1696	1526	678	125	3
HL55-D016#226TE060	16	22	D	35	10	60	1384	1246	554	125	3
HL55-E016#226TE050	16	22	E	35	10	50	1581	1423	632	125	3
HL55-B016#336TE100	16	33	B	53	8	100	894	805	358	125	3
HL55-B016#336TE200	16	33	B	53	10	200	632	569	253	125	3
HL55-C016#336TE080	16	33	C	53	10	80	1061	955	424	125	3
HL55-C016#336TE100	16	33	C	53	10	100	949	854	379	125	3
HL55-D016#336TE040	16	33	D	53	10	40	1696	1526	678	125	3
HL55-D016#336TE060	16	33	D	53	10	60	1384	1246	554	125	3
HL55-E016#336TE050	16	33	E	53	10	50	1581	1423	632	125	3
HL55-H016#336TE025	16	33	H	53	10	25	2049	1844	820	125	3
HL55-H016#336TE040	16	33	H	53	10	40	1620	1458	648	125	3
HL55-C016#476TE100	16	47	C	75	10	100	949	854	379	125	3
HL55-D016#476TE050	16	47	D	75	10	50	1517	1365	607	125	3
HL55-D016#476TE070	16	47	D	75	10	70	1282	1154	513	125	3
HL55-D016#476TE100	16	47	D	75	10	100	1072	965	429	125	3
HL55-E016#476TE040	16	47	E	75	10	40	1768	1591	707	125	3
HL55-E016#476TE060	16	47	E	75	10	60	1443	1299	577	125	3
HL55-H016#476TE025	16	47	H	75	10	25	2049	1844	820	125	3
HL55-H016#476TE050	16	47	H	75	10	50	1449	1304	580	125	3
HL55-D016#686TE060	16	68	D	109	10	60	1384	1246	554	125	3
HL55-D016#686TE080	16	68	D	109	10	80	1199	1079	480	125	3
HL55-E016#686TE040	16	68	E	109	10	40	1768	1591	707	125	3
HL55-E016#686TE060	16	68	E	109	10	60	1443	1299	577	125	3
HL55-H016#686TE025	16	68	H	109	10	25	2049	1844	820	125	3
HL55-H016#686TE050	16	68	H	109	10	50	1449	1304	580	125	3
HL55-C016#107TE080	16	100	C	160	10	80	1061	955	424	125	3
HL55-C016#107TE100	16	100	C	160	10	100	949	854	379	125	3
HL55-D016#107TE080	16	100	D	160	10	80	1199	1079	480	125	3
HL55-D016#107TE100	16	100	D	160	10	100	1072	965	429	125	3
HL55-E016#107TE040	16	100	E	160	10	40	1768	1591	707	125	3
HL55-E016#107TE060	16	100	E	160	10	60	1443	1299	577	125	3
HL55-H016#107TE040	16	100	H	160	10	40	1620	1458	648	125	3
HL55-H016#157TE080	16	150	H	240	10	80	1146	1031	458	125	3
HL55-D016#157TE050	16	150	D	240	10	50	1517	1365	607	125	3
HL55-D016#157TE080	16	150	D	240	10	80	1199	1079	480	125	3
HL55-E016#157TE040	16	150	E	240	10	40	1768	1591	707	125	3
HL55-E016#157TE060	16	150	E	240	10	60	1443	1299	577	125	3
HL55-V016#157TE040	16	150	V	240	10	40	1936	1743	775	125	3
HL55-D016#227TE060	16	220	D	352	10	60	1384	1246	554	125	3
HL55-D016#227TE100	16	220	D	352	10	100	1072	965	429	125	3

1 # is the replacement character to indicate the capacity tolerance, M means ±20%;

2 Do not use a multimeter;

3 Capacity and loss measurement conditions: 100Hz, $U_{__}=2.2^{0}_{-1}$V, $U\sim=1.0^{0}_{-0.5}$ V, Frequency=100Hz, Series measurement

4 If the ambient temperature is higher than +85 ° C, the derating voltage is required. (The leakage current parameter is the reading after 5 minutes of power-on.)

5 For special sizes or requirements please contact us.

Product code and parameter specification

Product code	Rated voltage	Nominal capacity	Shell number	Leakage current @+25℃	Loss value @+25℃,100Hz	Equivalent series resistance@+25℃,100KHz	100kHz maximum Ripple current (mA)			Maximum operating temperature	MSL
	V	μF		μA	%	mΩ	+45℃	+85℃	+125℃	℃	
HL55-E016#227TE040	16	220	E	352	10	40	1768	1591	707	125	3
HL55-E016#227TE070	16	220	E	352	10	70	1336	1203	535	125	3
HL55-E016#227TE100	16	220	E	352	10	100	1118	1006	447	125	3
HL55-V016#227TE030	16	220	V	352	10	30	2236	2012	894	125	3
HL55-V016#227TE050	16	220	V	352	10	50	1732	1559	693	125	3
HL55-E016#337TE040	16	330	E	528	10	40	1768	1591	707	125	3
HL55-E016#337TE050	16	330	E	528	10	50	1581	1423	632	125	3
HL55-E016#337TE060	16	330	E	528	10	60	1443	1299	577	125	3
HL55-V016#337TE030	16	330	V	528	10	30	2236	2012	894	125	3
HL55-V016#337TE050	16	330	V	528	10	50	1732	1559	693	125	3
HL55-B020#105TE150	20	1	B	5.0	10	150	730	657	292	125	3
HL55-B020#155TE150	20	1.5	B	5.0	10	150	730	657	292	125	3
HL55-A020#225TE150	20	2.2	A	5.0	10	150	683	615	273	125	3
HL55-B020#225TE150	20	2.2	B	5.0	10	150	730	657	292	125	3
HL55-B020#225TE250	20	2.2	B	5.0	10	250	566	509	226	125	3
HL55-A020#335TE150	20	3.3	A	5.0	10	150	683	615	273	125	3
HL55-B020#335TE150	20	3.3	B	5.0	10	150	730	657	292	125	3
HL55-B020#335TE250	20	3.3	B	5.0	10	250	566	509	226	125	3
HL55-C020#335TE100	20	3.3	C	5.0	10	100	949	854	379	125	3
HL55-B020#475TE180	20	4.7	B	5.0	10	180	667	600	267	125	3
HL55-B020#475TE250	20	4.7	B	5.0	10	250	566	509	226	125	3
HL55-C020#475TE080	20	4.7	C	5.0	10	80	1061	955	424	125	3
HL55-C020#475TE100	20	4.7	C	5.0	10	100	949	854	379	125	3
HL55-B020#685TE180	20	6.8	B	5.4	10	180	667	600	267	125	3
HL55-B020#685TE250	20	6.8	B	5.4	10	250	566	509	226	125	3
HL55-C020#685TE080	20	6.8	C	5.4	10	80	1061	955	424	125	3
HL55-C020#685TE100	20	6.8	C	5.4	10	100	949	854	379	125	3
HL55-B020#106TE100	20	10	B	8.0	8	100	894	805	358	125	3
HL55-B020#106TE150	20	10	B	8.0	10	150	730	657	292	125	3
HL55-B020#106TE200	20	10	B	8.0	10	200	632	569	253	125	3
HL55-C020#106TE080	20	10	C	8.0	10	80	1061	955	424	125	3
HL55-C020#106TE100	20	10	C	8.0	10	100	949	854	379	125	3
HL55-B020#156TE200	20	15	B	12	10	200	632	569	253	125	3
HL55-C020#156TE080	20	15	C	12	10	80	1061	955	424	125	3
HL55-C020#156TE100	20	15	C	12	10	100	949	854	379	125	3
HL55-D020#156TE080	20	15	D	12	10	80	1199	1079	480	125	3
HL55-D020#156TE120	20	15	D	12	10	120	979	881	392	125	3
HL55-B020#226TE150	20	22	B	18	10	150	730	657	292	125	3
HL55-B020#226TE250	20	22	B	18	10	250	566	509	226	125	3
HL55-B020#226TE300	20	22	B	18	10	300	516	465	207	125	3
HL55-C020#226TE080	20	22	C	18	10	80	1061	955	424	125	3
HL55-C020#226TE100	20	22	C	18	10	100	949	854	379	125	3
HL55-D020#226TE070	20	22	D	18	10	70	1282	1154	513	125	3
HL55-D020#226TE100	20	22	D	18	10	100	1072	965	429	125	3
HL55-E020#226TE030	20	22	E	18	10	30	2041	1837	816	125	3
HL55-E020#226TE050	20	22	E	18	10	50	1581	1423	632	125	3
HL55-H020#226TE025	20	22	H	18	6	25	2049	1844	820	125	3
HL55-H020#226TE035	20	22	H	18	10	35	1732	1559	693	125	3
HL55-H020#226TE050	20	22	H	18	10	50	1449	1304	580	125	3
HL55-C020#336TE070	20	33	C	26	10	70	1134	1021	454	125	3
HL55-D020#336TE060	20	33	D	26	10	60	1384	1246	554	125	3
HL55-D020#336TE100	20	33	D	26	10	100	1072	965	429	125	3
HL55-E020#336TE030	20	33	E	26	10	30	2041	1837	816	125	3
HL55-E020#336TE050	20	33	E	26	10	50	1581	1423	632	125	3
HL55-H020#336TE035	20	33	H	26	6	35	1732	1559	693	125	3

1 # is the replacement character to indicate the capacity tolerance, M means ±20%;

2 Do not use a multimeter;

3 Capacity and loss measurement conditions: 100Hz, $U_{\_\_}$=2.2$^{0}_{-1}$V, U~=1.0$^{0}_{-0.5}$V, Frequency=100Hz, Series measurement

4 If the ambient temperature is higher than +85 ° C, the derating voltage is required. (The leakage current parameter is the reading after 5 minutes of power-on.)

5 For special sizes or requirements please contact us.

Product code and parameter specification

Product code	Rated voltage	Nominal capacity	Shell number	Leakage current @+25℃	Loss value @+25℃,100Hz	Equivalent series resistance@+25 ℃,100KHz	100kHz maximum Ripple current (mA)			Maximum operating temperature	MSL
	V	μF		μA	%	mΩ	+45℃	+85℃	+125℃	℃	
HL55-C020#476TE100	20	47	C	38	10	100	949	854	379	125	3
HL55-D020#476TE060	20	47	D	38	10	60	1384	1246	554	125	3
HL55-D020#476TE100	20	47	D	38	10	100	1072	965	429	125	3
HL55-E020#476TE030	20	47	E	38	10	30	2041	1837	816	125	3
HL55-E020#476TE050	20	47	E	38	10	50	1581	1423	632	125	3
HL55-H020#476TE025	20	47	H	38	6	25	2049	1844	820	125	3
HL55-H020#476TE035	20	47	H	38	10	35	1732	1559	693	125	3
HL55-H020#476TE050	20	47	H	38	10	50	1449	1304	580	125	3
HL55-D020#686TE050	20	68	D	54	6	50	1517	1365	607	125	3
HL55-D020#686TE080	20	68	D	54	10	80	1199	1079	480	125	3
HL55-E020#686TE030	20	68	E	54	6	30	2041	1837	816	125	3
HL55-E020#686TE050	20	68	E	54	10	50	1581	1423	632	125	3
HL55-H020#107TE080	20	100	H	80	10	80	1146	1031	458	125	3
HL55-H020#107TE150	20	100	H	80	10	150	837	753	335	125	3
HL55-D020#107TE100	20	100	D	80	10	100	1072	965	429	125	3
HL55-E020#107TE030	20	100	E	80	6	30	2041	1837	816	125	3
HL55-E020#107TE060	20	100	E	80	10	60	1443	1299	577	125	3
HL55-V020#107TE040	20	100	V	80	10	40	1936	1743	775	125	3
HL55-E020#157TE050	20	150	E	120	10	50	1581	1423	632	125	3
HL55-V020#157TE040	20	150	V	120	10	40	1936	1743	775	125	3
HL55-E020#227TE050	20	220	E	176	10	50	1581	1423	632	125	3
HL55-V020#227TE040	20	220	V	176	10	40	1936	1743	775	125	3
HL55-B025#684TE200	25	0.68	B	5.0	10	200	632	569	253	125	3
HL55-B025#105TE150	25	1	B	5.0	10	150	730	657	292	125	3
HL55-B025#155TE150	25	1.5	B	5.0	10	150	730	657	292	125	3
HL55-C025#155TE080	25	1.5	C	5.0	10	80	1061	955	424	125	3
HL55-A025#225TE250	25	2.2	A	5.0	10	250	529	476	212	125	3
HL55-A025#225TE350	25	2.2	A	5.0	10	350	447	402	179	125	3
HL55-A025#225TE650	25	2.2	A	5.0	10	650	328	295	131	125	3
HL55-B025#225TE150	25	2.2	B	5.0	10	150	730	657	292	125	3
HL55-B025#225TE250	25	2.2	B	5.0	10	250	566	509	226	125	3
HL55-C025#225TE080	25	2.2	C	5.0	10	80	1061	955	424	125	3
HL55-C025#225TE100	25	2.2	C	5.0	10	100	949	854	379	125	3
HL55-B025#335TE150	25	3.3	B	5.0	10	150	730	657	292	125	3
HL55-B025#335TE200	25	3.3	B	5.0	10	200	632	569	253	125	3
HL55-C025#335TE080	25	3.3	C	5.0	10	80	1061	955	424	125	3
HL55-C025#335TE100	25	3.3	C	5.0	10	100	949	854	379	125	3
HL55-B025#475TE120	25	4.7	B	5.0	6	120	816	735	327	125	3
HL55-B025#475TE160	25	4.7	B	5.0	10	160	707	636	283	125	3
HL55-B025#475TE200	25	4.7	B	5.0	10	200	632	569	253	125	3
HL55-C025#475TE080	25	4.7	C	5.0	10	80	1061	955	424	125	3
HL55-C025#475TE100	25	4.7	C	5.0	10	100	949	854	379	125	3
HL55-B025#685TE150	25	6.8	B	6.8	6	150	730	657	292	125	3
HL55-B025#685TE200	25	6.8	B	6.8	8	200	632	569	253	125	3
HL55-B025#685TE250	25	6.8	B	6.8	10	250	566	509	226	125	3
HL55-C025#685TE080	25	6.8	C	6.8	10	80	1061	955	424	125	3
HL55-C025#685TE100	25	6.8	C	6.8	10	100	949	854	379	125	3
HL55-B025#106TE150	25	10	B	10	6	150	730	657	292	125	3
HL55-B025#106TE180	25	10	B	10	8	180	667	600	267	125	3
HL55-B025#106TE200	25	10	B	10	10	200	632	569	253	125	3
HL55-C025#106TE080	25	10	C	10	10	80	1061	955	424	125	3
HL55-C025#106TE100	25	10	C	10	10	100	949	854	379	125	3
HL55-D025#106TE080	25	10	D	10	10	80	1199	1079	480	125	3
HL55-B025#156TE180	25	15	B	15	6	180	667	600	267	125	3
HL55-B025#156TE250	25	15	B	15	8	250	566	509	226	125	3

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2 Do not use a multimeter;
3 Capacity and loss measurement conditions: 100Hz, $U_{__}=2.2^{0}_{-0.1}$V, $U\sim=1.0^{0}_{-0.5}$V, Frequency=100Hz, Series measurement
4 If the ambient temperature is higher than +85 ° C, the derating voltage is required. (The leakage current parameter is the reading after 5 minutes of power-on.)
5 For special sizes or requirements please contact us.

Product code and parameter specification

Product code	Rated voltage	Nominal capacity	Shell number	Leakage current @+25℃	Loss value @+25℃,100Hz	Equivalent series resistance@+25 ℃,100KHz	100kHz maximum Ripple current (mA)			Maximum operating temperature	MSL
	V	μF		μA	%	mΩ	+45℃	+85℃	+125℃	℃	
HL55-C025#156TE070	25	15	C	15	10	70	1134	1021	454	125	3
HL55-D025#156TE080	25	15	D	15	10	80	1199	1079	480	125	3
HL55-E025#156TE050	25	15	E	15	10	50	1581	1423	632	125	3
HL55-H025#156TE035	25	15	H	15	10	35	1732	1559	693	125	3
HL55-B025#226TE220	25	22	B	22	6	220	603	543	241	125	3
HL55-C025#226TE070	25	22	C	22	6	70	1134	1021	454	125	3
HL55-C025#226TE100	25	22	C	22	10	100	949	854	379	125	3
HL55-D025#226TE080	25	22	D	22	6	80	1199	1079	480	125	3
HL55-D025#226TE100	25	22	D	22	8	100	1072	965	429	125	3
HL55-D025#226TE120	25	22	D	22	10	120	979	881	392	125	3
HL55-E025#226TE050	25	22	E	22	10	50	1581	1423	632	125	3
HL55-H025#226TE025	25	22	H	22	10	25	2049	1844	820	125	3
HL55-H025#226TE050	25	22	H	22	10	50	1449	1304	580	125	3
HL55-D025#336TE060	25	33	D	33	6	60	1384	1246	554	125	3
HL55-D025#336TE100	25	33	D	33	6	100	1072	965	429	125	3
HL55-D025#336TE150	25	33	D	33	6	150	876	788	350	125	3
HL55-E025#336TE050	25	33	E	33	10	50	1581	1423	632	125	3
HL55-H025#336TE025	25	33	H	33	6	25	2049	1844	820	125	3
HL55-H025#336TE050	25	33	H	33	10	50	1449	1304	580	125	3
HL55-D025#476TE060	25	47	D	47	6	60	1384	1246	554	125	3
HL55-D025#476TE080	25	47	D	47	8	80	1199	1079	480	125	3
HL55-D025#476TE100	25	47	D	47	10	100	1072	965	429	125	3
HL55-E025#476TE030	25	47	E	47	6	30	2041	1837	816	125	3
HL55-E025#476TE060	25	47	E	47	10	60	1443	1299	577	125	3
HL55-H025#476TE030	25	47	H	47	8	30	1871	1684	748	125	3
HL55-H025#476TE080	25	47	H	47	10	80	1146	1031	458	125	3
HL55-H025#476TE150	25	47	H	47	10	150	837	753	335	125	3
HL55-H025#686TE050	25	68	H	68	8	50	1449	1304	580	125	3
HL55-H025#686TE070	25	68	H	68	10	70	1225	1102	490	125	3
HL55-D025#686TE080	25	68	D	68	8	80	1199	1079	480	125	3
HL55-D025#686TE120	25	68	D	68	10	120	979	881	392	125	3
HL55-E025#686TE030	25	68	E	68	6	30	2041	1837	816	125	3
HL55-E025#686TE060	25	68	E	68	10	60	1443	1299	577	125	3
HL55-V025#686TE040	25	68	V	68	10	40	1936	1743	775	125	3
HL55-D025#107TE100	25	100	D	100	10	100	1072	965	429	125	3
HL55-E025#107TE030	25	100	E	100	10	60	1443	1299	577	125	3
HL55-E025#107TE080	25	100	E	150	10	80	1250	1125	500	125	3
HL55-E025#107TE060	25	100	E	100	10	100	1118	1006	447	125	3
HL55-V025#107TE040	25	100	V	100	10	40	1936	1743	775	125	3
HL55-V025#157TE040	25	150	V	150	10	40	1936	1743	775	125	3
HL55-B035#684TE200	35	0.68	B	5.0	10	200	632	569	253	125	3
HL55-B035#105TE200	35	1	B	5.0	10	200	632	569	253	125	3
HL55-A035#155TE300	35	1.5	A	5.0	6	300	483	435	193	125	3
HL55-B035#155TE200	35	1.5	B	5.0	6	200	632	569	253	125	3
HL55-B035#155TE250	35	1.5	B	5.0	10	250	566	509	226	125	3
HL55-C035#155TE100	35	1.5	C	5.0	10	100	949	854	379	125	3
HL55-B035#225TE150	35	2.2	B	5.0	6	150	730	657	292	125	3
HL55-B035#225TE200	35	2.2	B	5.0	10	200	632	569	253	125	3
HL55-C035#225TE100	35	2.2	C	5.0	10	100	949	854	379	125	3
HL55-B035#335TE150	35	3.3	B	5.0	6	150	730	657	292	125	3
HL55-B035#335TE200	35	3.3	B	5.0	10	200	632	569	253	125	3
HL55-C035#335TE100	35	3.3	C	5.0	10	100	949	854	379	125	3
HL55-B035#475TE150	35	4.7	B	6.6	6	150	730	657	292	125	3
HL55-B035#475TE200	35	4.7	B	6.6	10	200	632	569	253	125	3
HL55-C035#475TE100	35	4.7	C	6.6	10	100	949	854	379	125	3

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2 Do not use a multimeter;
3 Capacity and loss measurement conditions: 100Hz, $U_{\_\_}=2.2^{0}_{-1}V$, $U\sim=1.0^{0}_{-0.5}V$, Frequency=100Hz, Series measurement
4 If the ambient temperature is higher than +85 ° C, the derating voltage is required. (The leakage current parameter is the reading after 5 minutes of power-on.)
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Product code and parameter specification

Product code	Rated voltage	Nominal capacity	Shell number	Leakage current @+25℃	Loss value @+25℃,100Hz	Equivalent series resistance@+25 ℃,100KHz	100kHz maximum Ripple current (mA)			Maximum operating temperature	MSL
	V	μF		μA	%	mΩ	+45℃	+85℃	+125℃	℃	
HL55-C035#685TE080	35	6.8	C	9.5	10	80	1061	955	424	125	3
HL55-D035#685TE080	35	6.8	D	9.5	10	80	1199	1079	480	125	3
HL55-B035#106TE150	35	10	B	14	6	150	730	657	292	125	3
HL55-C035#106TE080	35	10	C	14	10	80	1061	955	424	125	3
HL55-D035#106TE080	35	10	D	14	10	80	1199	1079	480	125	3
HL55-E035#106TE050	35	10	E	14	10	50	1581	1423	632	125	3
HL55-H035#106TE025	35	10	H	14	6	25	2049	1844	820	125	3
HL55-H035#106TE050	35	10	H	14	10	50	1449	1304	580	125	3
HL55-C035#156TE070	35	15	C	21	6	70	1134	1021	454	125	3
HL55-D035#156TE060	35	15	D	21	6	60	1384	1246	554	125	3
HL55-D035#156TE080	35	15	D	21	6	80	1199	1079	480	125	3
HL55-E035#156TE050	35	15	E	21	10	50	1581	1423	632	125	3
HL55-H035#156TE025	35	15	H	21	10	25	2049	1844	820	125	3
HL55-H035#156TE050	35	15	H	21	10	50	1449	1304	580	125	3
HL55-C035#226TE080	35	22	C	31	6	80	1061	955	424	125	3
HL55-C035#226TE150	35	22	C	31	6	150	775	697	310	125	3
HL55-D035#226TE030	35	22	D	31	6	30	1958	1762	783	125	3
HL55-D035#226TE070	35	22	D	31	6	70	1282	1154	513	125	3
HL55-D035#226TE150	35	22	D	31	6	150	876	788	350	125	3
HL55-E035#226TE050	35	22	E	31	10	50	1581	1423	632	125	3
HL55-D035#336TE060	35	33	D	46	6	60	1384	1246	554	125	3
HL55-D035#336TE060	35	33	D	46	10	80	1199	1079	480	125	3
HL55-E035#336TE030	35	33	E	46	6	30	2041	1837	816	125	3
HL55-E035#336TE050	35	33	E	46	8	50	1581	1423	632	125	3
HL55-E035#336TE060	35	33	E	46	10	60	1443	1299	577	125	3
HL55-V035#336TE040	35	33	V	46	10	40	1936	1743	775	125	3
HL55-D035#476TD080	35	47	D	66	10	80	1199	1079	480	125	3
HL55-D035#476TD150	35	47	D	66	10	150	876	788	350	125	3
HL55-E035#476TE030	35	47	E	66	6	30	2041	1837	816	125	3
HL55-E035#476TE060	35	47	E	66	8	60	1443	1299	577	125	3
HL55-E035#476TE100	35	47	E	66	10	100	1118	1006	447	125	3
HL55-V035#476TE040	35	47	V	66	10	40	1936	1743	775	125	3
HL55-E035#686TE080	35	68	E	95	10	80	1250	1125	500	125	3
HL55-E035#686TE100	35	68	E	95	10	100	1118	1006	447	125	3
HL55-V035#686TE070	35	68	V	95	10	70	1464	1317	586	125	3
HL55-E035#107TE080	35	100	E	140	10	80	1250	1125	500	125	3
HL55-E035#107TE100	35	100	E	140	10	100	1118	1006	447	125	3
HL55-V035#107TE070	35	100	V	140	10	70	1464	1317	586	125	3
HL55-B050#684TE200	50	0.68	B	5.0	6	200	632	569	253	125	3
HL55-B050#684TE250	50	0.68	B	5.0	10	250	566	509	226	125	3
HL55-B050#105TE200	50	1	B	5.0	6	200	632	569	253	125	3
HL55-B050#105TE250	50	1	B	5.0	10	250	566	509	226	125	3
HL55-B050#155TE200	50	1.5	B	5.0	6	200	632	569	253	125	3
HL55-B050#155TE250	50	1.5	B	5.0	10	250	566	509	226	125	3
HL55-C050#155TE070	50	1.5	C	5.0	6	70	1134	1021	454	125	3
HL55-C050#155TE100	50	1.5	C	5.0	10	100	949	854	379	125	3
HL55-B050#225TE200	50	2.2	B	5.0	10	200	632	569	253	125	3
HL55-C050#225TE070	50	2.2	C	5.0	6	70	1134	1021	454	125	3
HL55-C050#225TE100	50	2.2	C	5.0	10	100	949	854	379	125	3
HL55-C050#335TE080	50	3.3	C	6.6	10	80	1061	955	424	125	3
HL55-D050#335TE060	50	3.3	D	6.6	10	60	1384	1246	554	125	3
HL55-C050#475TE100	50	4.7	C	9.4	10	100	949	854	379	125	3
HL55-D050#475TE060	50	4.7	D	9.4	10	60	1384	1246	554	125	3
HL55-D050#475TE200	50	4.7	D	9.4	10	200	758	682	303	125	3
HL55-C050#685TE080	50	6.8	C	14	10	80	1061	955	424	125	3

1 # is the replacement character to indicate the capacity tolerance, M means ±20%;

2 Do not use a multimeter;

3 Capacity and loss measurement conditions: 100Hz, $U_{DC}=2.2^{0}_{-1}$V, $U_{AC}=1.0^{0}_{-0.5}$V, Frequency=100Hz, Series measurement

4 If the ambient temperature is higher than +85 ° C, the derating voltage is required. (The leakage current parameter is the reading after 5 minutes of power-on.)

5 For special sizes or requirements please contact us.