

RR series

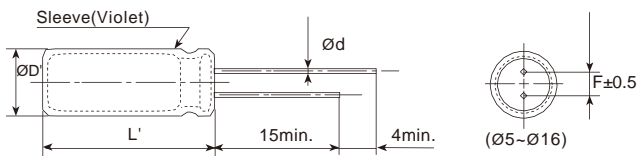


- High frequency, low impedance, high reliability
- Endurance: +105°C 2,000 hours
- Suitable for switching power, UPS, power sources, etc.
- **RoHS Compliant**

SPECIFICATIONS

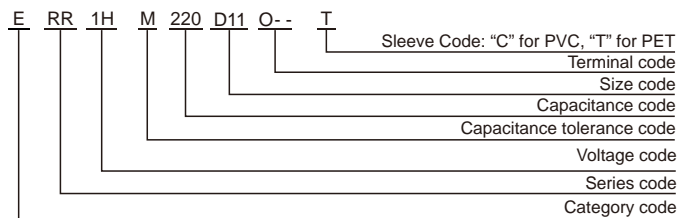
Items	Characteristics														
Category Temperature Range	-40~+105°C														
Rated Voltage Range	6.3~50 V _{dc}														
Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)														
Leakage Current	$I \leq 0.01CV$ or $3\mu A$, whichever is greater. Where, I: Max. leakage current (μA), C: Nominal capacitance (μF), V: Rated voltage (V) (at 20°C after 2 minutes)														
Dissipation Factor (tan δ)	<table border="1"> <tr> <th>Rated Voltage (V_{dc})</th> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <th>tan (max.)</th> <td>0.22</td> <td>0.18</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.08</td> </tr> </table>	Rated Voltage (V _{dc})	6.3	10	16	25	35	50	tan (max.)	0.22	0.18	0.14	0.12	0.10	0.08
	Rated Voltage (V _{dc})	6.3	10	16	25	35	50								
	tan (max.)	0.22	0.18	0.14	0.12	0.10	0.08								
When nominal capacitance exceeds 1,000 μF , add 0.02 to the value above for each 1,000 μF increase. (at 20°C, 120Hz)															
Low Temperature Characteristics (Max. Impedance Ratio)	<table border="1"> <tr> <th>Rated Voltage (V_{dc})</th> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <th>Z(-25°C)/Z(+20°C)</th> <td colspan="6">2</td> </tr> </table>	Rated Voltage (V _{dc})	6.3	10	16	25	35	50	Z(-25°C)/Z(+20°C)	2					
	Rated Voltage (V _{dc})	6.3	10	16	25	35	50								
Z(-25°C)/Z(+20°C)	2														
(at 120Hz)															
Endurance	The specifications listed below shall be met when the capacitors are restored to 20°C after DC voltage plus rated ripple current is applied for 2,000 hours at 105°C.														
	Capacitance Change	±20% of the initial value (6.3, 10V: ±30%)													
	D.F. (tan δ)	200% of the initial specified value													
	Leakage Current	The initial specified value													
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after leaving them under no load at 105°C for 1,000 hours.														
	Capacitance Change	±20% of the initial value (6.3, 10V: ±30%)													
	D.F. (tan δ)	200% of the initial specified value													
	Leakage Current	200% of the initial specified value													

DIMENSIONS[mm]



∅D	5	6.3	8	10	12.5	16
∅d	0.45	0.5	0.5	0.5	0.6	0.8
F	2.0	2.5	3.5	5.0	5.0	7.5
∅D'	$\varnothing D + 0.5 \text{ max.}$					
L'	$L + 2 \text{ max.}$					

PART NUMBERING SYSTEM



RATED RIPPLE CURRENT MULTIPLIERS

Frequency correction factor for ripple current

Freq.(Hz)	120	1k	10k	100k
Cap.<220	0.40	0.75	0.90	1.00
220 Cap.<680	0.50	0.85	0.94	1.00
680 Cap.<2200	0.60	0.87	0.95	1.00
2200 Cap.<4700	0.75	0.90	0.95	1.00
Cap. 4700	0.85	0.95	0.98	1.00

RR series

■ STANDARD RATINGS

WV (Vdc)	Cap (μF)	Size DxDL(mm)	tan	Impedance (max/20°C, 100kHz)	Rated ripple current (mA rms/105°C, 100kHz)	Part Number
6.3(OJ)	150	5x11	0.22	0.3	250	ERR0JM151D11OT
		6.3x7	0.22	0.3	250	ERR0JM151E07OT
	330	6.3x9	0.22	0.15	350	ERR0JM331E09OT
		6.3x11	0.22	0.13	405	ERR0JM331E11OT
	560	8x9	0.22	0.12	605	ERR0JM561F09OT
		8x12	0.22	0.072	760	ERR0JM561F12OT
	820	8x16	0.22	0.056	995	ERR0JM821F16OT
		10x9	0.22	0.085	800	ERR0JM821G09OT
	1000	10x12.5	0.22	0.053	1030	ERR0JM102G1BOT
		8x20	0.22	0.041	1250	ERR0JM122F20OT
	1200	10x16	0.22	0.038	1430	ERR0JM122G16OT
		1500	10x20	0.22	0.023	1820
	2200	10x25	0.24	0.022	2150	ERR0JM222G25OT
		3300	12.5x20	0.26	0.021	2360
	3900	12.5x25	0.26	0.018	2770	ERR0JM392W25OT
		4700	12.5x30	0.28	0.016	3290
	5600	12.5x35	0.30	0.015	3400	ERR0JM562W35OT
		16x20	0.30	0.018	3140	ERR0JM562L20OT
	6800	16x25	0.32	0.016	3460	ERR0JM682L25OT
	10(1A)	100	5x7	0.18	1.38	185
5x11			0.18	0.3	250	ERR1AM101D11OT
220		6.3x7	0.18	0.35	405	ERR1AM221E07OT
		6.3x11	0.18	0.13	405	ERR1AM221E11OT
470		8x9	0.18	0.18	606	ERR1AM471F09OT
		8x11	0.18	0.072	760	ERR1AM471F11OT
680		8x16	0.18	0.056	995	ERR1AM681F16OT
		10x9	0.18	0.085	760	ERR1AM681G09OT
1000		10x12.5	0.18	0.053	1030	ERR1AM681G1BOT
		8x20	0.18	0.041	1250	ERR1AM102F20OT
1200		10x16	0.18	0.038	1430	ERR1AM102G16OT
		1500	10x20	0.18	0.023	1820
2200		10x25	0.18	0.022	2150	ERR1AM152G25OT
		3300	12.5x20	0.20	0.021	2360
3900		12.5x25	0.22	0.018	2770	ERR1AM332W25OT
		4700	12.5x30	0.22	0.016	3290
5600		16x20	0.22	0.018	3140	ERR1AM392L20OT
		12.5x35	0.24	0.015	3400	ERR1AM472W35OT
5600		16x25	0.26	0.016	3460	ERR1AM562L25OT
16(1C)		56	5x7	0.14	0.7	180
	5x11		0.14	0.3	250	ERR1CM560D11OT
	120	6.3x7	0.14	0.4	300	ERR1CM121E07OT
		6.3x11	0.14	0.13	405	ERR1CM121E11OT
	330	8x7	0.14	0.14	510	ERR1CM331F07OT
		8x12	0.14	0.072	760	ERR1CM331F12OT
	470	8x16	0.14	0.056	795	ERR1CM471F16OT
		10x12.5	0.14	0.053	1030	ERR1CM471G1BOT
	680	8x20	0.14	0.041	1250	ERR1CM681F20OT
		10x16	0.14	0.038	1430	ERR1CM681G16OT
	1000	10x20	0.14	0.023	1820	ERR1CM102G20OT
		1200	10x25	0.14	0.022	2150
	1500	12.5x20	0.14	0.021	2360	ERR1CM152W20OT
		2200	12.5x25	0.16	0.018	2770
	2700	12.5x30	0.16	0.016	3290	ERR1CM272W30OT
		16x20	0.16	0.018	3140	ERR1CM272L20OT
	3300	12.5x35	0.18	0.015	3400	ERR1CM332W35OT
	3900	16x25	0.18	0.016	3460	ERR1CM392L25OT

WV (Vdc)	Cap (μF)	Size DxDL(mm)	tan	Impedance (max/20°C, 100kHz)	Rated ripple current (mA rms/105°C, 100kHz)	Part Number	
25(1E)	47	5x11	0.12	0.3	250	ERR1EM470D11OT	
		6.3x7	0.12	1.1	200	ERR1EM470E07OT	
	100	6.3x9	0.12	0.13	405	ERR1EM101E11OT	
		8x7	0.12	0.3	430	ERR1EM101F07OT	
	220	8x9	0.12	0.1	600	ERR1EM221F09OT	
		8x12	0.12	0.072	760	ERR1EM221F12OT	
	330	8x16	0.12	0.056	995	ERR1EM331F16OT	
		470	8x20	0.12	0.041	1250	ERR1EM471F20OT
	680	10x12.5	0.12	0.053	1030	ERR1EM681G1BOT	
		820	10x16	0.12	0.038	1430	ERR1EM821G16OT
	1000	10x20	0.12	0.023	1820	ERR1EM102G20OT	
		1500	10x25	0.12	0.022	2150	ERR1EM152G25OT
	1800	12.5x20	0.12	0.021	2360	ERR1EM182W20OT	
		12.5x30	0.12	0.016	3290	ERR1EM182W30OT	
	2200	16x20	0.12	0.018	3140	ERR1EM182L20OT	
		12.5x25	0.14	0.018	2770	ERR1EM222W25OT	
	2700	12.5x35	0.14	0.015	3400	ERR1EM222W35OT	
		16x25	0.14	0.016	3460	ERR1EM272L25OT	
	35(1V)	33	5x7	0.10	1.15	160	ERR1VM330D07OT
			5x11	0.10	0.3	250	ERR1VM330D11OT
56		6.3x11	0.10	0.13	405	ERR1VM560E11OT	
		8x7	0.10	0.39	405	ERR1VM560F07OT	
150		8x9	0.10	0.17	600	ERR1VM151F09OT	
		8x12	0.10	0.072	760	ERR1VM151F12OT	
220		8x16	0.10	0.056	995	ERR1VM221F16OT	
		10x12.5	0.10	0.053	1030	ERR1VM221G1BOT	
270		8x20	0.10	0.041	1250	ERR1VM271F20OT	
		330	10x16	0.10	0.038	1430	ERR1VM331G16OT
470		10x20	0.10	0.023	1820	ERR1VM471G20OT	
		560	10x25	0.10	0.022	2150	ERR1VM561G25OT
680		12.5x20	0.10	0.021	2360	ERR1VM681W20OT	
		1000	12.5x25	0.10	0.018	2770	ERR1VM102W25OT
1200		12.5x30	0.10	0.016	3290	ERR1VM122W30OT	
		16x20	0.10	0.018	3140	ERR1VM122L20OT	
1500		12.5x35	0.10	0.015	3400	ERR1VM152W35OT	
		1800	16x25	0.10	0.016	3460	ERR1VM182L25OT
50(1H)		22	5x11	0.08	0.34	238	ERR1HM220D11OT
			6.3x7	0.08	0.52	200	ERR1HM220E07OT
	56	6.3x12	0.08	0.14	385	ERR1HM560E12OT	
		8x7	0.08	0.36	320	ERR1HM560F07OT	
	100	8x9	0.08	0.2	580	ERR1HM101F09OT	
		8x12	0.08	0.074	724	ERR1HM101F12OT	
	120	8x16	0.08	0.061	950	ERR1HM121F16OT	
		150	10x12.5	0.08	0.061	979	ERR1HM151G1BOT
	180	8x20	0.08	0.046	1190	ERR1HM181F20OT	
		220	10x16	0.08	0.042	1370	ERR1HM221G16OT
	270	10x20	0.08	0.03	1580	ERR1HM271G20OT	
		330	10x25	0.08	0.028	1870	ERR1HM331G25OT
	470	12.5x20	0.08	0.027	2050	ERR1HM471W20OT	
		560	12.5x25	0.08	0.023	2410	ERR1HM561W25OT
	680	12.5x30	0.08	0.021	2860	ERR1HM681W30OT	
		820	12.5x35	0.08	0.019	2960	ERR1HM821W35OT
	1000	16x20	0.08	0.023	2730	ERR1HM821L20OT	
		16x25	0.08	0.021	3010	ERR1HM102L25OT	

Radial Type

单击下面可查看定价，库存，交付和生命周期等信息

[>>AISHI\(艾华\)](#)