

Aluminum Electrolytic Capacitors

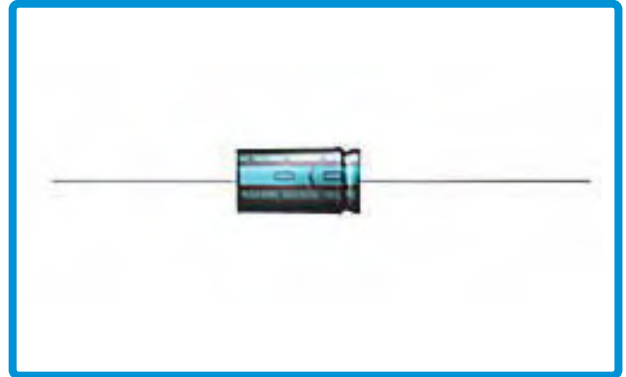


RT Series
(General Purpose, Axial)

MERITEK

FEATURES

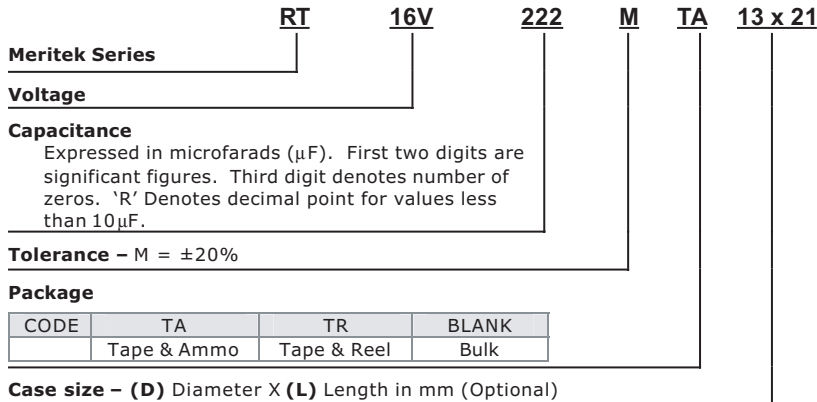
- Wide CV value range
- Load life 2000hrs at 85°C
- High performance



SPECIFICATIONS

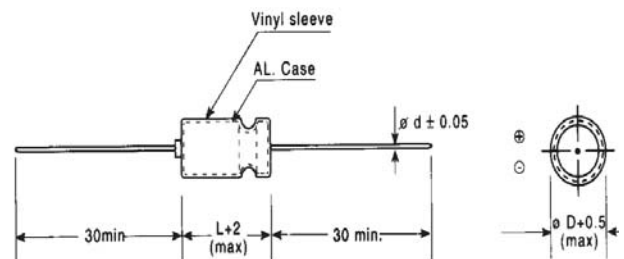
Item	Characteristic															
Operating Temp Range	-40°C to +85°C	-25°C to +85°C														
Rated Working Voltage	6.3 to 100VDC	160 to 450VDC														
Capacitance Tolerance	±20% (M)															
Leakage Current (25°C)	Rated Voltage	≤ 100V	> 100V													
	Time	After 3 minutes														
	Leakage current (I)	I ≤ 0.01CV or 3μA Whichever is greater	I ≤ 0.03CV + 10μA													
C= Nominal Capacitance (μF) V= Rated voltage																
Surge voltage (25°C)	WV	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450	
	SV	8	13	20	32	44	63	79	125	200	250	300	400	450	500	
Dissipation Factor Tanδ (120Hz, 25°C)	Add 0.02 per 100μF for more than 100μF															
	WV	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450	
tanδ	0.24	0.20	0.17	0.15	0.12	0.10	0.10	0.08	0.20	0.20	0.20	0.25	0.25	0.25		
Low Temperature Stability	Impedance ratio at 120Hz															
	Rated voltage	6.3	10	16	25	35-100			160-250			350-450				
	-25°C to +25°C	4	3	2	2	2			8			12				
	-40°C to +25°C	10	8	6	4	3										
Load Life	After 2000 hours application of WV at +85°C the capacitor shall meet the following limits															
	Capacitance change	≤ ±20% of initial value														
	Dissipation Factor	≤ 150% of initial specified value														
	Leakage current	≤ initial specified value														
Shelf Life	At 85°C no voltage applied after 500 hours the capacitor shall meet the following limits															
	Capacitance change	≤ ±20% of initial value														
	Dissipation Factor	≤ 200% of initial specified value														
	Leakage current	≤ 200% of initial specified value														

PART NUMBERING SYSTEM



CASE SIZE

D	6.3	8	10	13	16	18
d	0.6				0.8	



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CASE SIZE

Case size: D x L (mm)

WV μF	6.3	10	16	25	35	50	63
0.1 to 0.47						6.3X13	
1						6.3X13	
2.2						6.3X13	
3.3						6.3X13	
4.7						6.3X13	
10						6.3X13	6.3X13
22					6.3X13	6.3X13	6.3X16
33				6.3X13	6.3X13	8X13	8X13
47		6.3X13	6.3X13	6.3X13	8X13	8X13	8X16
100	6.3X13	6.3X13	6.3X13	8X13	8X16	10X17	10X17
220	8X13	8X13	8X13	8X16	10X17	10X22	13X22
330	8X16	8X16	10X17	10X17	10X22	13X22	13X27
470	8X16	8X16	10X17	10X22	13X22	13X27	16X27
1000	10X17	10X17	10X22	13X22	13X27	16X33	16X33
2200	13X22	10X22	13X27	16X27	16X33	18X36	
3300	13X27	13X27	16X27	16X33	18X36		
4700	16X27	16X27	16X33	18X36			

CASE SIZE

Case size: D x L (mm)

WV μF	100	160	200	250	350	400	450
0.1 to 0.47	6.3X13	6.3X13	6.3X13	6.3X13	6.3X13	6.3X13	
1	6.3X13	6.3X13	6.3X13	6.3X16	8X16	8X16	8X16
2.2	6.3X13	6.3X16	6.3X16	8X16	8X21	8X21	8X21
3.3	6.3X13	8X16	8X16X	8X16	10X22	10X22	10X22
4.7	6.3X13	8X16	8X16	10X22	10X27	10X27	10X27
10	6.3X16	10X22	10X22	10X27	13X27	13X27	13X27
22	8X16	10X27	13X27	13X27	13X32	16X33	16X43
33	10X17	13X27	13X27	13X27	16X33	16X43	18X43
47	10X22	13X32	13X32	13X35	18X43		
100	13X22	16X33	16X43	16X43			
220	16X27	18X43					
330	16X33						
470	16X43						

Custom sizes available upon request

Custom values and tolerances available upon request