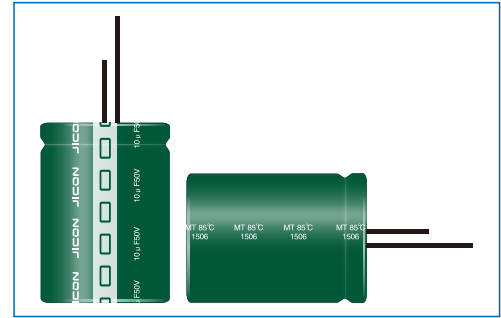


MT系列 SERIES

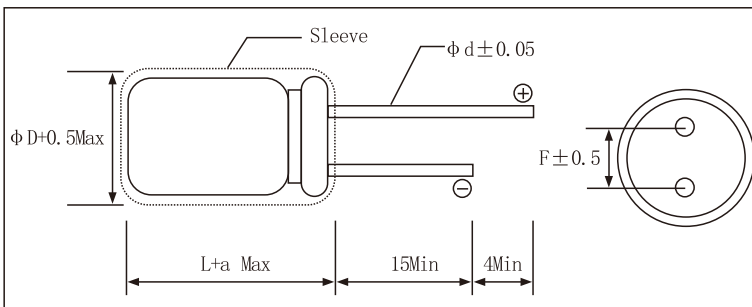
- Miniature series 7mm height
- Endurance:85°C 2,000 hours
- RoHS Compliant



◆ SPECIFICATION

Items	Characteristics								
Operating Temperature Range(°C)	-40 ~ +85°C								
Voltage range (V)	6.3~100V								
Capacitance Range (μF)	0.1~330 μF								
Capacitance Tolerance	±20% (at 20°C, 120Hz)								
leakage current (μA)	$I \leq 0.01C_R U_R$ or 3 μA whichever is greater. (After 2 minutes at 20°C application of rated voltage)								
Dissipation Factor(Tan δ)	WV (V)	6.3	10	16	25	35	50	63	100
	Tan δ (max)	0.24	0.21	0.18	0.16	0.14	0.12	0.10	0.1
(at 20°C, 120Hz)									
Low Temperature Characteristics	Rated Voltage (V)	6.3	10	16	25	35	50	63	100
	Z-25°C/Z+20°C	4	3	2					
	Z-40°C/Z+20°C	8	6	4	3				
(at 120Hz)									
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated rippled current is applied for 2000 hours at 85°C .								
	Capacitance change	≤±25% of the initial value							
	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 exposing them for 1,000 hours at 85°C without voltage applied . Before the measurement , the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4.								
	Capacitance change	≤±20% of the initial value							
	D. F. (Tan δ)	≤ 200% of the initial specified value							
	Leakage current	≤200%The initial specified value							

◆ DIMENSIONS(mm)



◆ Frequency Coefficient

Frequency	50Hz	120Hz	300Hz	1KHz	10KHz~
Coefficient	0.70	1.00	1.17	1.36	1.50

ΦD	4	5	6.3	8.0
F	1.5	2.0	2.5	3.5
Φd	0.45	0.45	0.45	0.5
a	1.0	1.0	1.0	1.0

MT 系列
SERIES

◆ STANDARD RATINGS

Ur (Surge Voltage) Code	Rated Capacitance	Rated Ripple Current 105°C 120Hz	Size φ D×L
(V)	(μF)	(mA rms)	(mm)
6.3 (8) 0J	47	50	4×7
	100	80	5×7
	220	140	6.3×7
	330	205	8×7
10 (13) 1A	22	35	4×7
	33	45	4×7
	47	60	5×7
	100	108	6.3×7
	220	185	8×7
16 (20) 2C	330	225	8×7
	22	40	4×7
	33	55	5×7
	47	70	5×7
25 (32) 1E	100	120	6.3×7
	220	205	8×7
	10	30	4×7
	22	50	5×7
35 (44) 1V	33	70	6.3×7
	47	85	6.3×7
	100	145	8×7
	10	30	4×7
50 (63) 1H	22	50	5×7
	33	75	6.3×7
	47	110	8×7
	0.1	4	4×7
	0.22	5	4×7
	0.33	7	4×7
	0.47	8	4×7
	1	10	4×7
	2.2	15	4×7
	3.3	20	4×7
	4.7	24	4×7
10	40	5×7	
22	70	6.3×7	
33	100	8×7	
63 (79) 1J	1	10	4×7
	2.2	15	4×7
	3.3	23	5×7
	4.7	30	6.3×7
	10	50	6.3×7
100 (125) 2A	22	68	8×7
	1	12	4×7
	2.2	20	5×7
	3.3	30	6.3×7
4.7	33	6.3×7	