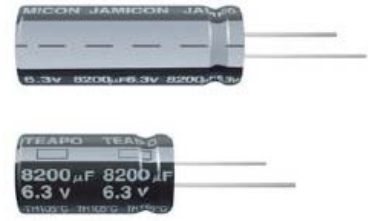


Jamicon Series : TH

Teapo Series : TH High Ripple Series

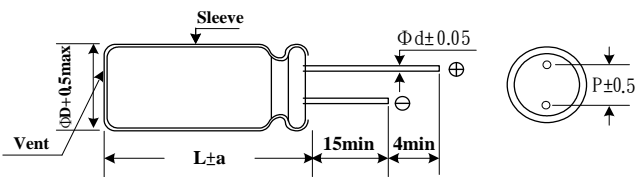
- Endurance: 105°C 3000 hours
- Recommended Applications : AV(TV, Video, Audio); Monitor/Computer; OA/HA/Communication; Converter/Inverter; Energy saving lamp; PFC circuit; SMPS; Ballast; Adapter
- Corresponding product to RoHS



SPECIFICATIONS

Item	Characteristics	
Category Temperature Range	-40~+105°C	-25~+105°C
Rated Voltage Range	160 ~ 400VDC	420~450VDC
Rated Capacitance Range	2.2 ~ 220 μ F	
Capacitance Tolerance	± 20 % (120Hz , 20°C)	
Leakage Current (20°C)	I=0.06CV +10 μ A (After rated voltage applied for 2 minutes) I : Max. leakage current (μ A), C : Nominal capacitance (μ F), V : Rated voltage (V)	
Dissipation Factor(MAX) (tan δ) (120Hz ,20°C)	WV	160 200 250 350 400 420~450
	tan δ	0.15 0.15 0.15 0.24 0.24 0.24
Low Temperature Stability Impedance Ratio (MAX)	WV	160~250 400 420~450
	Z (120Hz)	3 5 6
	Z(-25°C) / Z(20°C)	4 6 —
Endurance	After applying rated voltage with rated ripple current for 2000 (≥10 φ 3000) hours at 105°C, the capacitors shall meet the following requirements.	
	Capacitance change	Within ± 20% of initial value
	D.F. (tan δ)	Not more than 200% of 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 105°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.	

Dimensions [mm]



ΦD	10	12.5	16	18
P	5.0	5.0	7.5	7.5
Φd	0.6	0.6	0.8	0.8
a	1.5	2.0	2.0	2.0

Notes : (): L ≥ 30mm

Multiplier for Ripple Current

Freq. (Hz)	120	1k	10k	100k
160~450	0.5	0.80	0.90	1.00

Jamicon Series : TH

Teapo Series : TH High Ripple Series

■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	Ripple current (mA/rms105°C) (100kHz)	Impedance (Ω ,20°C) (100KHz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	Ripple current (mA/rms105°C) (100kHz)	Impedance (Ω ,20°C) (100KHz)
160v (200)	10	10x16	220	1.47	250v (300)	100	18x36	1110	0.59
	22	10x20	350	0.80		220	18x40	1730	0.31
	33	10x20	430	0.62	400v (450)	3.3	10x20	170	2.6
	47	12.5x20	550	0.50		4.7	10x25	220	2.2
	68	12.5x20	660	0.39		10	12.5x25	340	1.72
	100	16x25	890	0.32		22	16x25	510	0.94
	220	16x36	1540	0.17		33	16x32	690	0.73
200v (250)	10	10x16	220	1.47		47	16x32	820	0.59
	22	10x20	350	0.80		68	16x32	990	0.46
	33	12.5x20	460	0.62		100	18x32	1280	0.38
	47	12.5x25	610	0.50	120	18x36	1480	0.32	
	68	12.5x25	730	0.39	150	18x40	1740	0.26	
	100	16x32	980	0.32	180	18x40	1910	0.23	
	220	18x36	1640	0.17	450v (500)	2.2	10x16	110	4.94
250v (300)	4.7	10x16	150	3.45		3.3	10x20	150	4.11
	10	10x20	240	2.70		4.7	12.5x20	190	3.47
	22	12.5x20	380	1.47		10	12.5x25	300	2.72
	33	12.5x25	510	1.15		22	16x32	500	1.48
	47	16x25	610	0.92		33	16x32	620	1.15
	68	16x32	810	0.71		47	18x32	780	0.92