

Jamicon Series : TX

Teapo Series : TX High Ripple Series

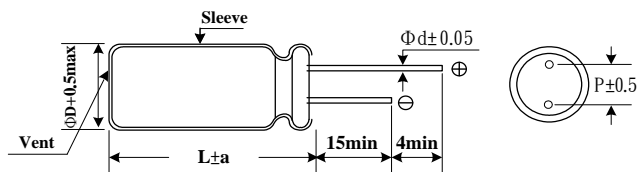
- Endurance: 105°C · 3000~5000hours
- Recommended Applications : High ripple current for Electronic Ballast , Power Supply...etc
- Corresponding product to RoHS



■ SPECIFICATIONS

Item	Characteristics						
Category Temperature Range	-40~+105°C			-25~+105°C			
Rated Voltage Range	160 ~ 400VDC			450VDC			
Rated Capacitance Range	10~ 330 µF			3.3~ 68 µF			
Capacitance Tolerance	± 20 % (120Hz , 20°C)			± 20 % (120Hz , 20°C)			
Leakage Current (20°C)	I=0.06CV + 10(µA) (After rated voltage applied for 2			I=0.04CV + 100(µA) (After rated voltage applied for 2 minutes)			
	I : Max. leakage current (µA), C : Nominal capacitance (µF), 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	0.20	0.24	0.24
Low Temperature Stability Impedance Ratio (MAX)	Z (120Hz)	160	200	250	350	400	420~450
	Z-25°C / Z+20°C	3	3	3	5	5	6
	Z-40°C / Z+20°C	6	6	6	6	6	-
Endurance	After applying rated voltage with rated ripple current for 3000 (≥ 10 φ 5000) 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	After placed at 105°C without voltage applied for 1000 hours,the capacitors shall meet the same requirement as Endurance.						

■ 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	0.50	0.80	0.90	1.00

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■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D \times L(mm)	Ripple current (mA/rms105°C) (100Hz)	Impedance (Ω ,20°C) (100KHz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D \times L(mm)	Ripple current (mA/rms105°C) (100Hz)	Impedance (Ω ,20°C) (100KHz)
160V (200)	22	10x20	350	1.47	250V (300)	150	18x32	1290	0.49
	33	10x20	430	1.15		220	18x40	1730	0.36
	47	12.5x20	550	0.92	350V (400)	10	10x20	220	1.94
	68	12.5x25	730	0.71		22	12.5x20	340	1.6
	100	16x25	890	0.59		33	12.5x25	460	1.25
	150	16x32	1210	0.41		47	16x25	560	1.00
	220	16x32	1460	0.31		68	16x32	740	0.78
	330	18x36	2010	0.25		100	18x36	1010	0.65
200V (250)	22	10x20	350	1.47	400V (450)	10	10x20	290	2.94
	33	12.5x20	460	1.15		22	12.5x25	460	1.60
	47	12.5x20	550	0.92		33	12.5x25	620	1.25
	68	12.5x25	730	0.71		47	16x25	740	1.00
	100	16x25	890	0.59		68	16x32	990	0.78
	150	16x32	1210	0.41		100	18x36	1350	0.65
	220	18x36	1640	0.31	450V (500)	3.3	10x20	150	4.47
	250V (300)	10	10x20	240		3.18	4.7	12.5x20	190
22		12.5x20	380	1.74		10	12.5x25	300	2.95
33		12.5x25	510	1.35		22	16x25	450	1.61
47		12.5x25	610	1.08		33	16x32	620	1.25
68		16x25	730	0.84		47	18x32	780	1.01
100		16x32	980	0.7		68	18x36	990	0.78