

TRX Series

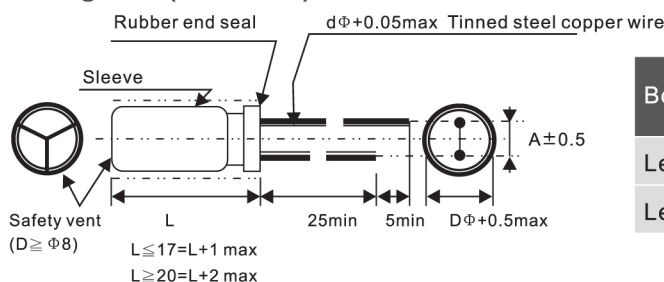


- 105°C, 2000 hours standard series (紋波疊加)
- 採用了新型高穩定、高導電率電解液、高信賴技術

• SPECIFICATIONS

Items	Characteristics									
Category Temperature Range	- 40 to +105°C									
Rated Voltage Range	6.3vto 100Vdc									
Capacitance Tolerance	± 20% (M) (at 20°C ,120Hz)									
Leakage Current	I=0.01CV or 3 μA , 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)	Rated voltage (Vdc)	6.3V	10V	16V	25V	35V	50V	63V	100V	
	tan δ (Max.)	0.22	0.19	0.16	0.14	0.12	0.10	0.08	0.08	
	For capacitance>1000uF.and 2% per another 1000uF (at 20°C ,120Hz)									
Low Temperature Characteristics	Impedance ration max at 120Hz									
	Working voltage	6.3v	10v	16v	25v	35v	50v	63v	100v	
	Z-25°C/ Z+20°C	5	4	3	2	2	2	2	2	
Z-40°C/ Z+20°C	10	8	6	4	3	3	3	3		
Load. Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the voltage is applied for 2000 hours at 105°C									
	Capacitance change	≤ ±20% of the initial value								
	DF (tan δ)	≤200 % of the initial specified value								
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours at 105°C without voltage applied.									
	Capacitance change	≤ ±20% of the initial value								
	DF (tan δ)	≤200 % of the initial specified value								
Ripple Current Multiplier	Temperature coefficient									
	Temperature(°C)	~55	60	70	85	105				
	Factor	2.20	2.10	2.00	1.75	1.00				
	Frequency coefficient									
	cap \ freq	60	120	1k	10k	100k				
	~100	0.70	1.00	1.40	1.50	1.50				
100~1000	0.75	1.00	1.30	1.35	1.35					
1000up	0.80	1.00	1.12	1.15	1.15					

• Diagram: (Unit: mm)

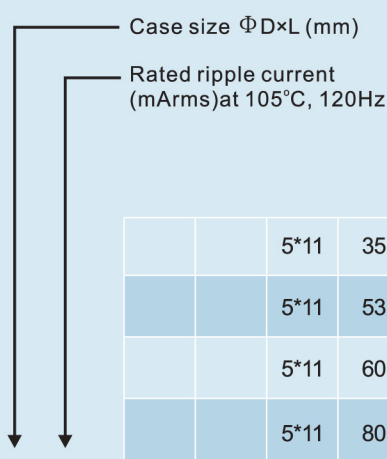


Body Dia ΦD	5	6	8	10	13		16	18
				L ≤ 21	L ≥ 25			
Lead Dia Φd	0.5			0.6	0.6	0.8	0.8	0.8
Lead Space A	2	2.5	3.5	5		7.5		7.5/10

◆ TRX series 105°C 標準品

● STANDARD RATING

Vdc μF	6.3v		10v		16v		25v		35v		50v		63v		100v	
	0.1											5*11	2.1			
0.22											5*11	3.5				
0.33											5*11	5.0				
0.47											5*11	7.0			5*11	12
1.0											5*11	15	5*11	15	5*11	22
2.2											5*11	29	5*11	31	5*11	33
3.3											5*11	35	5*11	37	5*11	40
4.7											5*11	42	5*11	45	5*11	48
10					5*11	35	5*11	35	5*11	40	5*11	65	5*11	60	6.3*11	65
22					5*11	53	5*11	58	5*11	65	5*11	80	6.3*11	95	8*12	110
33					5*11	60	5*11	75	5*11	85	6.3*11	115	6.3*11	130	10*13	155
47					5*11	80	5*11	85	5*11	105	6.3*11	140	6.3*12 8*12	150	10*17	210
100	5*11	95	5*11	105	5*11 6.3*11	130	5*11 6.3*11	160	6.3*11 8*12	170	8*12	235	8*14 10*12.5	280	10*20	350
220	6.3*11	153	6.3*11	195	6.3*11 8*12	200 210	8*12	290	8*12 8*16	290	10*17	510	10*20 13*21	490 530	13*25	710
330	6.3*11	220	6.3*11	250	6.3*15 8*12	320	8*12 8*14	340	10*17	420	10*20	680	13*20	680	16*25	860
470	6.3*11	240	6.3*11 8*12	260 285	8*12 8*14	370	8*14 8*16	470	10*17 10*20	510 540	10*20 13*20	720 810	13*25	880	16*32	1,100
1,000	8*12	450	8*16 10*17	560	8*16 10*17 10*20	620 690 720	10*20	830	13*21	1,400	13*25	1,250	16*32	1,500		
2,200	10*20	820	10*20	895	10*30 13*21	1,150	13*25	1,250	13*30 16*25	1,800	16*36 18*25	1,960				
3,300	10*25	1,030	10*25 13*20	1,200	13*25	1,400	16*32	1,750	18*32	2,200	18*36	2,500				
4,700	13*25	1,250	13*25	1,580	16*32	1,800	16*25 16*36	1,960 2,130	18*40	2,400	22*35	2,800				
6,800	16*25	1,750	16*32	1,950	18*36	2,100	18*36	2,500								
10,000	16*32	1,980	18*36	2,050	18*36	2,500										
15,000	18*36	2,530														



Ripple Current : mA/rms at 120Hz 105°C

Chip Type SMD
Miniature Type
General Purpose
High Frequency Low Impedance
High Voltage High Reliability
Non-polar Type
Large Size Snap-in
Large Size Screw
X Metallized Polypropylene Film Capacitors