

THX Series

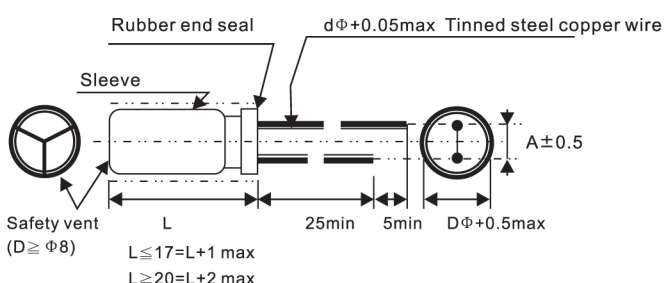
• 125°C, 1000 hours standard series (紋波疊加)



• SPECIFICATIONS

Items	Characteristics						
Category Temperature Range	- 40 to +125°C						
Rated Voltage Range	10v to 63Vdc						
Capacitance Tolerance	± 20% (M) (at 20°C , 120Hz)						
Leakage Current	I=0.01CV or 4 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)	10V	16V	25V	35V	50V	63V
	tan δ (Max.)	0.19	0.16	0.14	0.12	0.10	0.08
Low Temperature Characteristics	Impedance ration max at 120Hz						
	Working voltage	10v	16v	25v	35v	50v	63v
	Z-25°C/ Z+20°C	3	2	3	2	2	2
	Z-40°C/ Z+20°C	6	4	4	4	4	4
Load. Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the voltage is applied for 1000 hours at 125°C						
	Capacitance change	≤ ±20% of the initial value					
	DF (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 1000 hours at 125°C without voltage applied.						
	Capacitance change	≤ ±20% of the initial value					
	DF (tan δ)	≤ 200 % of the initial specified value					
	Leakage current	≤ The initial specified value					
Ripple Current Multiplier	Temperature coefficient						
	Temperature(°C)	~55	75	85	105	125	
	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	1.70	1.85	2.00
	100~1000		0.75	1.00	1.45	1.55	1.65
1000up		0.80	1.00	1.20	1.25	1.30	

• Diagram: (Unit: mm)



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

◆ THX series 125°C 標準品

● STANDARD RATING

μF \ Vdc	10		16		25		35		50		63			
0.47											8*12	12		
1											8*12	17		
2.2													8*12	26
3.3													8*12	32
4.7													8*12	38
10													5*11	45
22								8*12	75	10*13	95	10*13	95	
33								10*13	108	10*17	135	10*17	135	
47			8*12	100	10*13	95	10*17	145	10*17	160	10*20	165		
100	10*12.5	154	10*16	190	6.3*11 10*17	150 210	10*20	230	10*20	230	13*21	245		
220	10*17	252	10*20	310	13*21	376	13*25	408	13*21	280	13*21	280		
330	10*17	305	13*21	425	13*25	495	16*20	506						
470	10*20	380	13*25	515	16*20	608								
1000	10*25	720												

Ripple Current : mA/rms at 120Hz 125°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