



THT, Radial E-Cap., Miniature long life for LED Lighting High Reliability, withstanding 10000 hours load life at 105°C , Long Lead, ROHS Conform, Packing Bulk-Ware into Polybag

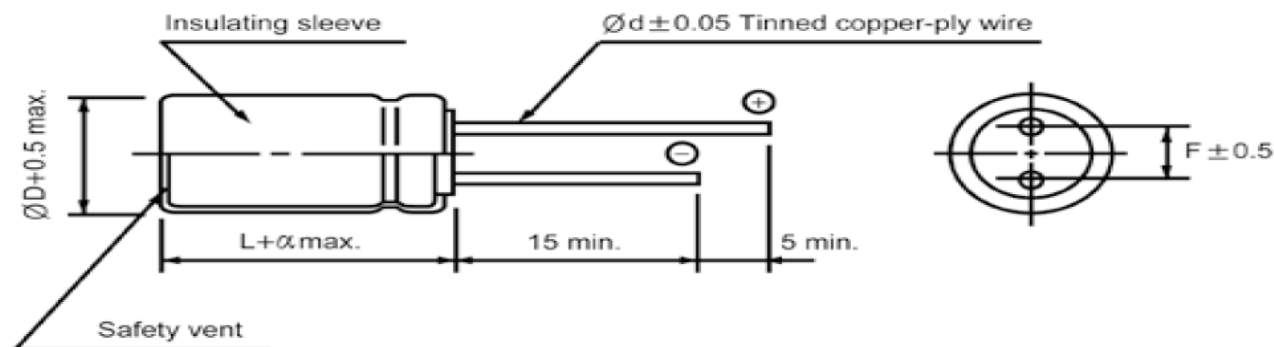
Items			Performance Characteristics											
Operating temperature range		-25°C +105°C												
Leakage current max.		I = 0,01CV + 3µA whichever is greater (after 2 minutes)												
		I = 0,03CV + 4µA whichever is greater (after 1 minutes)												
Capacitance tolerance		±20% at 120Hz, 20°C												
Dissipation factor max. (at 120Hz, 20°C)														
		WV			10	16	25	35	50	63	100			
		TanQ			0,45	0,35	0,30	0,22	0,19	0,17	0,15			
Low temperature characteristics (Impedance ratio at 120Jz)		WV			10	16	25	35	50	63	100			
		Z-25°C / Z+20°C			8	6	4	4	3	4	4			
Load life (after application of the rated voltage for 10000hrs at 105°C)		Leakage Current						Less than specified Value						
		Capacitance Change						Within ±25% off initial Value						
		TanQ						Less than 200% of specified value						
Shelf life (at 105°C)		After 1000 hours no load test, leakage current, capacitance and tanQ are same as load life value.												

FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

µF	Frequency	120Hz	1kHz	10kHz	50kHz	100kHz≤	
~33		0,42	0,70	0,90	0,95	1,00	
47~		0,50	0,73	0,92	0,96	1,00	

Technical Details

Range (µF)	47		ØD(mm)	6,3
Voltage	50		L(mm)	11,0
Impedance (Ω)	-.-		F(mm)	2,5
Ripple Current (mA)	228		Ød(mm)	0,5
ESR (Ω) max.at 20°C 10KHz	-.-		α(mm)	1,5
Lifetime (hrs)	10000		-.-	-.-
Operating- Temperature Range (°C)	-25°C ~ +105°C		-.-	-.-



ØD	5	6,3	8					
F	2	2,5	3,5					
Ød	0,5							
α	1,5							

DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	23.12.2024
APPD:	Jimmy			FINISH	Josy	Sheet	1 from 2



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Ordering Informations:

Serie-No. / Voltage / Range / Size	Capacity Tolerance	ROHS	Packing
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I14062-5004700611	M	R	BU
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Serie	Voltage (V)	Range μ H)	D * L (mm)	Tolerance Order Code	R= ROHS N= NON ROHS	BU= Bulk-Ware Long Lead T/B= Tape/Box L3= Lead-Length 3~3,5mm
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Soldering Information

Lead Solder Performance



Lead free Solder Performance



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