



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)	2,2	ØD(mm)	5,0
Voltage	50	L(mm)	11,0
Impedance (Ω)	-.-	F(mm)	2,0
Ripple Current (mA)	42	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
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Ordering Informations:

Serie-No. / Voltage / Range / Size	Capacity Tolerance	ROHS	Packing
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114062-5002R20511	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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