



THT, Radial E-Cap., Low Impedance, High Ripple Current 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	-40°C +105°C												
Leakage currrent max.	I = 0,01CV + 3µA whichever is greater (after 2 minutes)												
Capacitance tolerance	±20% at 120Hz, 20°C												
Dissipation factor max. (at 120Hz, 20°C)	Capacitance > 1000µF ; tanQ increases by 0,02 for each 1000µF from below value.												
	WV		6,3	10	16	25	35	50	63	80	100	120	
	TanQ		0,22	0,19	0,16	0,14	0,12	0,10	0,09	0,08	0,08	0,08	
Low temperature characteristics (Impedance ratio at 120Jz)	Z-25°C / Z+20°C							2					
	Z-40°C / Z+20°C							3					
Load life (after application of the rated voltage for 2000hrs at 85°C)	WV		6,3~10					63~120					
	Leakage Current		Less than specified Value										
	Capacitance Change		Within ±30% off initial Value					Within ±25% off initial Value					
	TanQ		Less than 200% of specified value										
	ØD		WV	6,3			10~50			63~120			
	Ø5 ~ Ø6,3			6000			8000			6000			
	Ø8x11,5			8000			9000			8000			
	Ø8x16 ~ 20			9000			10000			9000			
	Ø10x12,5		9000										
	Ø10x16~25		10000										
Ø12,5 ~		10000											
Shelf life (at 85°C)	After 1000 hours no load test, leakage current, capacitance and tanQ are same as load life value.												

FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPE CURRENT

μF / Frequency	120Hz	1kHz	10kHz	50kHz	100kHz≤
~33	0,42	0,70	0,90	0,95	1,00
47 ~ 270	0,50	0,73	0,92	0,10	1,00
330 ~ 680	0,55	0,77	0,94	0,97	1,00
820 ~ 1800	0,60	0,80	0,96	0,98	1,00
2200 ~	0,70	0,85	0,98	0,99	1,00

Technical Details

Range (μF)	120	ØD(mm)	5,0
Voltage	16	L(mm)	11,0
Impedance (Ω)	0,4	F(mm)	2,0
Ripple Current (mA)	450	Ød(mm)	0,5
ESR (Ω) max.at 20°C 10KHz	-.-	α(mm)	1,5
Lifetime (hrs)	10000	-.-	-.-
Operating- Temperature Range (°C)	-40°C ~ +105°C	-.-	-.-



ØD	5	6,3	8	10	12,5	16	18
F	2,0	2,5	3,5	5,0	5,0	7,5	7,5
Ød	0,5			0,6		0,8	
α	1,5			2,0			

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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I14063-1601210511	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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