



THT, Radial E-Cap., For PSU High Ripple Current, Long Life, High Reliability, withstanding 12000 hours load life at 105°C, Suitable for CFL, adapter and power supply, Long Lead, ROHS Conform, Packing Bulk-Ware into Polybag

Items			Performance Characteristics										
Operating temperature range	-40°C +105°C (160~450V) ;25~ +105°C (500V)												
Leakage current max.	I = 0,04CV + 100μA (after 1 minutes)												
	I = 0,02CV + 25μA (after 5 minutes)												
Capacitance tolerance	±20% at 120Hz, 20°C												
Dissipation factor max. (at 120Hz, 20°C)													
	WV			160	200	250	350	400	420	450	500		
	TanQ			0,15	0,15	0,15	0,20	0,20	0,20	0,20	0,24		
Low temperature characteristics (Impedance ratio at 120Jz)	WV			160	200	250	350	400	420	450	500		
	Z-25°C / Z+20°C			3	3	3	6	6	6	6	6		
	Z-40°C / Z+20°C			4	4	4	10	10	10	10	-		
Load life (after application of the rated voltage for 12000hrs 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 RIPPE CURRENT

WV	μF/ Frequency	120Hz	300Hz	1kHz	10kHz	50kHz	100kHz≤
160~450	~15	0,30	0,50	0,60	0,90	0,95	1,00
	22~47	0,40	0,50	0,70	0,90	0,95	1,00
	68~	0,50	0,60	0,80	0,90	0,95	1,00
500	~39	0,40	0,50	0,70	0,90	0,95	1,00
	47~	0,50	0,60	0,80	0,90	0,95	1,00

Technical Details

Range (μF)	6,8	ØD(mm)	10,0
Voltage	450	L(mm)	20,0
Impedance (Ω)	-.-	F(mm)	5,0
Ripple Current (mA)	440	Ød(mm)	0,6
ESR (Ω) max.at 20°C 10KHz	-.-	α(mm)	2
Lifetime (hrs)	12000	-.-	-.-
Operating- Temperature Range (°C)	-40°C ~ +105°C	-.-	-.-



ØD			8	10	12,5	16	18	22
F			3,5	5,0	5,0	7,5	7,5	10,0
Ød	0,5			0,6		0,8		
α	1,5			2,0				3,0

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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114066-4516R81020	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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