



THT, Radial E-Cap., High Temperature for 125°C use, Load life 2000 hours load life at 125°C, for electronic control unit and other high temperature applications, Long Lead, ROHS Conform, Packing Bulk-Ware into Polybag

Items			Performance Characteristics										
Operating temperature range		-40°C +125°C											
Leakage current max.		WV≤50							WV≥63				
		I = 0,01CV + 3μA whichever is greater (after 2 minutes)							I = 0,03CV + 10μA (after 5 minutes)				
Capacitance tolerance		±20% at 120Hz, 20°C											
Dissipation factor max. (at 120Hz, 20°C)													
		WV		6,3	10	16	25	35	50		63~100	160~500	
		TanQ		0,22	0,19	0,16	0,14	0,12	0,10		0,08	0,15	
Low temperature characteristics (Impedance ratio at 120Jz)	WV			6,3~ 10					16~250				
	Z-25°C / Z+20°C			3					2				
	Z-40°C / Z+20°C			5					4				
Load life (after application of the rated voltage for 2000hrs at 125°C)		Leckage Current								Less than specified Value			
		Capacitance Change								Within ±20% off initial Value			
		TanQ								Less than 300% of specified value			
		Ø5, Ø6,3 and WV≥ 100V = 1000hours											
Shelf life (at 125°C)		After 1000 hours no load test, leakage current, capacitance and tanQ are same as load life value.											

FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

WV	Frequency	60HZ	120Hz	1kHz	10kHz	50kHz	100kHz≤
6,3 ~ 100	~ 47	0,39	0,50	0,78	1,00	1,00	1,00
	68 ~ 680	0,46	0,57	0,77	0,86	0,93	1,00
	1000 ~	0,57	0,67	0,77	0,77	0,88	1,00
160 ~ 250	0,47 ~ 220	0,44	0,56	0,78	0,89	0,94	1,00
	330 ~	0,60	0,67	0,75	0,77	0,88	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)	55	Ød(mm)	0,5
ESR (Ω) max.at 20°C 10KHz	-.-	α(mm)	1,5
Lifetime (hrs)	2000	-.-	-.-
Operating- Temperature Range (°C)	-40°C ~ +125°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			

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Ordering Informations:

Serie-No. / Voltage / Range / Size	Capacity Tolerance	ROHS	Packing
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114069-5002R20511	M	R	BU
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Serie	Voltage (V)	Range µH)	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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