



THT, Radial E-Cap., High Temperature Range, for 150°C, Laminated case Series, Suited for automobile electronics where heavy duty services are indispensable, Long Lead, ROHS Conform, Packing Bulk-Ware into Polybag

Items		Performance Characteristics										
Operating temperature range		-55°C +150°C (10V~100V), -40 to ~150°C (160,200V), -25 to ~ +150°C (350V, 400V)										
Leakage current max.		WV≤100						WV≥100				
		I = 0,03CV + 4μA whichever is greater (after 1 minutes)						I = 0,04CV + 100μA (after 1 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	10	16	25	35	50	63	80	100	160, 200	350, 400
		TanQ	0,20	0,16	0,14	0,12	0,10	0,10	0,08	0,08	0,20	0,24
Low temperature characteristics (Impedance ratio at 120Jz)	WV	10	16	25	35	50	63	80	100	160, 200	350, 400	
	Z-25°C / Z+20°C	3	2	2	2	2	2	2	2	3	6	
	Z-40°C / Z+20°C	4	4	4	4	4	4	4	4	6	-	
Load life (after application of the rated voltage for 2000hrs at 150°C)		WV		10 ~ 100				160 ~ 400				
		Leakage Current		Less than specified Value								
		Capacitance Change		Within ±30% off initial Value				Within ±20% off initial Value				
		TanQ		Less than 300% of specified value				Less than 200% of specified value				
				Ø10, Ø12,5: 1000Hours;								
Shelf life (at 150°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	CV/ Frequency	120Hz	300Hz	1kHz	10kHz≤		
10~100	1000>CV	0,50	0,64	0,83	1,00		
	1000≤ CV	0,67	0,79	0,91	1,00		
160~400	μF/ Frequency	50Hz	120Hz	300Hz	1kHz	10kH	100kHz≤
	4,7 ~ 33	0,75	1,00	1,25	1,50	1,75	1,80
	47 ~ 100	0,80	1,00	1,25	1,50	1,40	1,50

Technical Details

Range (μF)	3,3	ØD(mm)	10,0
Voltage	35	L(mm)	12,5
Impedance (Ω)	-.-	F(mm)	5,0
Ripple Current (mA)	60	Ød(mm)	0,6
ESR (Ω) max.at 20°C 10KHz	-.-	α(mm)	2
Lifetime (hrs)	1000	-.-	-.-
Operating- Temperature Range (°C)	-55°C ~ +150°C	-.-	-.-



ØD	10	12,5	16	18
F	5,0	5,0	7,5	7,5
Ød	0,6		0,8	
α	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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114073-3503R31013	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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