



THT, Radial E-Cap., High Temperature Range, for 135°C, Highly dependable reliability withstanding load life of 1000 to 3000 hours at 135°C, 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 +135°C												
Leakage current max.															
			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	80	100				
			TanQ	0,20	0,16	0,14	0,12	0,10	0,10	0,08	0,08				
Low temperature characteristics (Impedance ratio at 120Jz)	WV		10	16	25	35	50	63	80	100					
	Z-25°C / Z+20°C		3	2	2	2	2	2	2	2					
	Z-40°C / Z+20°C		4	4	4	4	4	4	4	4					
Load life (after application of the rated voltage for 3000hrs at 135°C)			Leckage Current					Less than specified Value							
			Capacitance Change					Within ±30% off initial Value							
			TanQ					Less than 300% of specified value							
			Ø8: 1000hours, Ø10: 2000Hours; ≥Ø12,5: 3000hours												
Shelf life (at 135°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	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		

Technical Details

Range (µF)	47	ØD(mm)	8,0
Voltage	50	L(mm)	11,5
Impedance (Ω)	0,35	F(mm)	3,5
Ripple Current (mA)	440	Ød(mm)	0,5
ESR (Ω) max.at 20°C 10KHz	-.-	α(mm)	1,5
Lifetime (hrs)	1000	-.-	-.-
Operating- Temperature Range (°C)	-55°C ~ +135°C	-.-	-.-



ØD	8	10	12,5	16
F	3,5	5,0	5,0	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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I14072-5004700812	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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