



THT, Radial E-Cap., High Temperature for 125°C use, Load life 5000 hours load life at 125°C, for electronic control unit and other high temperature applications. Long Lead, ROHS Conform, Packing Bulk-Ware into Polybag

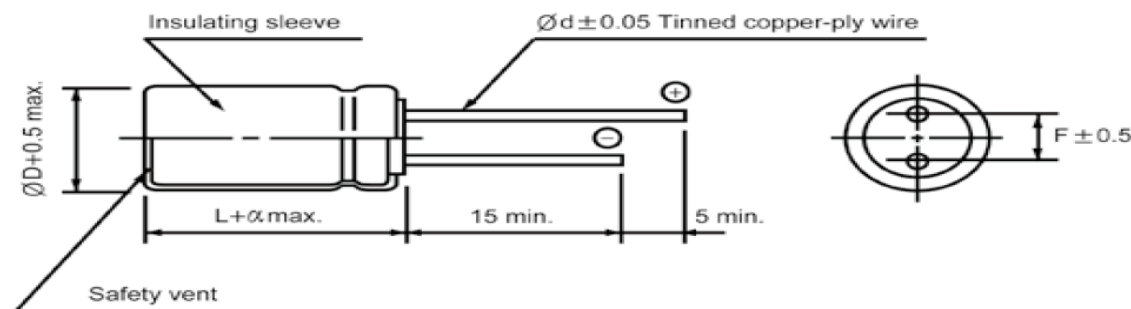
Items			Performance Characteristics												
Operating temperature range			-40°C +125°C												
Leakage current max.															
			I = 0,05CV + 3µA whichever is greater (after 2 minutes)												
Capacitance tolerance			±20% at 120Hz, 20°C												
Dissipation factor max. (at 120Hz, 20°C)			Capacitance > 1000µF ; tanQ increases by 0,02 for each 1000µF from below value.												
			WV		6,3	10	16	25	35	50	63	100			
			TanQ		0,22	0,20	0,16	0,14	0,12	0,10	0,10	0,08			
Low temperature characteristics (Impedance ratio at 120Jz)		WV		6,3	10	16	25	35	50	63	100				
		Z-25°C / Z+20°C		3	3	3	2	2	2	2	2				
		Z-40°C / Z+20°C		6	6	4	3	3	3	3	3				
Load life (after application of the rated voltage for 5000hrs at 125°C)			Leckage Current						Less than specified Value						
			Capacitance Change			Within ±30% off initial Value									
			TanQ			Less than 150% of specified value									
			ø5, 8ø6,3: 2000hours , ø8:3000hours, >ø10 : 5000hours												
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

µF	Frequency	120Hz	1kHz	10kHz	50kHz	100kHz≤
~ 33		0,20	0,50	0,80	0,90	1,00
47 ~ 100		0,25	0,60	0,90	0,95	1,00
150 ~ 220		0,35	0,70	0,92	0,96	1,00
33 ~ 680		0,45	0,75	0,95	0,97	1,00
1000 ~ 1500		0,50	0,80	0,96	0,98	1,00
2200 ~		0,55	0,65	0,98	0,99	1,00

Technical Details

Range (µF)	100	ØD(mm)	10,0
Voltage	50	L(mm)	12,5
Impedance (Ω)	0,4	F(mm)	5,0
Ripple Current (mA)	555	Ød(mm)	0,6
ESR (Ω) max.at 20°C 10KHz	-.-	α(mm)	2
Lifetime (hrs)	5000	-.-	-.-
Operating- Temperature Range (°C)	-40°C ~ +125°C	-.-	-.-



ØD	5	6,3	8	10	12,5	16
F	2	2,5	3,5	5	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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114070-5001011013	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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