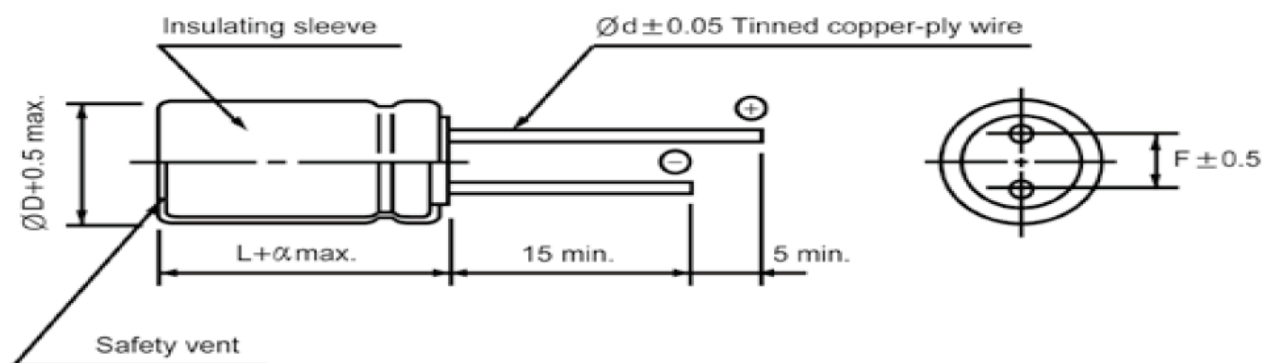




THT, Radial E-Cap., High Reliability, Suitable for Slim application, Long Lead, ROHS Conform, Packing Bulk-Ware into Polybag

Items		Performance Characteristics									
Operating temperature range		-40°C +105°C (250V) , -25°C to +105°C (350V~500V)									
Leakage current max.											
		I = 0,02CV + 15µA (after 5 minutes)									
Capacitance tolerance		±20% at 120Hz, 20°C									
Dissipation factor max. (at 120Hz, 20°C)											
		WV								250	350~500
		TanQ								0,15	0,20
Low temperature characteristics (Impedance ratio at 120Jz)									250	350~500	
	Z-25°C / Z+20°C	2							3	8	
	Z-40°C / Z+20°C	3							4	-	-
Load life (after application of the rated voltage for 2000hrs at 105°C)		Leakage Current					Less than specified Value				
		Capacitance Change					Within ±20% of 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											
	Frequency	50Hz	120Hz	1kHz	10kHz					100kHz≤	
	Coefficient	0,75	1,00	1,35	1,50					2,00	
Technical Details											
Range (µF)		82		ØD(mm)	12,5						
Voltage		450		L(mm)	50,0						
Impedance (Ω)		-,-		F(mm)	5,0						
Ripple Current (mA)		700		Ød(mm)	0,6						
ESR (Ω) max.at 20°C 10KHz		-,-		α(mm)	2						
Lifetime (hrs)		2000		-,-	-,-						
Operating- Temperature Range (°C)		-25°C ~ +105°C		-,-	-,-						



ØD	8	10	12,5
F	3,5	5,0	5,0
Ød	0,5	0,6	0,6
α	1,5	2,0	

DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	03.02.2025
APPD:	Jimmy			FINISH	Josy	Sheet	1 from 2



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Ordering Informations:

Serie-No. / Voltage / Range / Size	Capacity Tolerance	ROHS	Packing
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I14114-4518201350	M	R	BU
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Serie	Voltage (V)	Range μ H)	D * L (mm)	Tolerance Order Code	R= ROHS	BU= Bulk-Ware Long Lead
					N= NON ROHS	T/B= Tape/Box
						L3= Lead-Length 3~3,5mm

Soldering Information

Lead Solder Performance



Lead free Solder Performance



DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	03.02.2025
APPD:	Jimmy			FINISH	Josy	Sheet	2 from 2