THT, Radial E-Cap., Standard Serie for general purposes, High CV value, Long Lead, ROHS Conform, Packing Bulk-Ware into Polybag/Box

Items	Performance Characteristics									
Operating temperature range	.-40°C +105°C (6,3V~450V; -25°C ~+105°C (500V									
Leakage currrent max.	WV≤100						WV≥100			
	I = 0,01CV or 3µA whichever is greater (after 2 minutes						I = 0,02CV + 15µA (after 5 minutes)			
	I = 0,03CV or 4µA whichever is greater (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	6,3	10	16	25	35	50	63	100	160~250	350~500
	TanQ	0,28	0,24	0,20	0,16	0,14	0,12	0,10	0,08	0,15	0,20

Low temperature characteristics (Impedance ratio at 120Jz)											
	WV	6,3	10	16	25	35	50~100	160	200~350	400~450	500
	Z-25°C / Z+20°C	5	4	3	2	2	2	4	6	10	12
	Z-40°C / Z+20°C	12	10	8	5	4	3	6	8	12	-

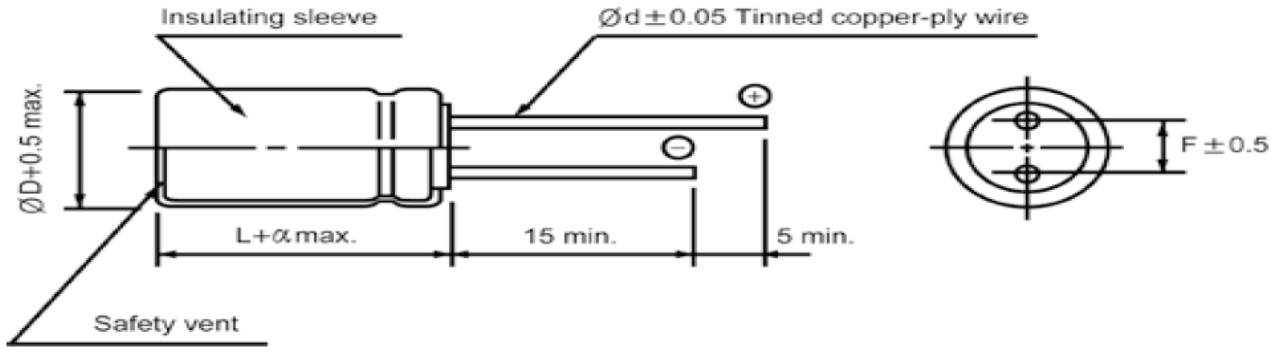
Load life (after application of the rated voltage for 2000hrs at 85°C)	Leckage Current	Less than specified Value
	Capacitance Change	Within ±20% of initial value
	TanQ	Less than 200% of specified value
Shelf life (at 85°C)	After 1000 hours no load test, leackage current, capacitance and tanQ are same as load life value.	

FREQUENY COEFFICIENT OF PERMISSIBLE RIPPE CURRENT

WV	µF/Frequency	60Hz	120Hz	1kHz	10kHz	50kHz	100kHz≤
6,3~100	~47	0,75	1,00	1,55	2,00	2,00	2,00
	68~680	0,80	1,00	1,35	1,50	1,62	1,75
	820~	0,85	1,00	1,15	1,15	1,32	1,50
160~500	~220	0,80	1,00	1,40	1,60	1,70	1,80
	330~	0,90	1,00	1,13	1,15	1,32	1,50

Technical Details

Range (µF)	220	ØD(mm)	22,0
Voltage (V)	400	L(mm)	45,0
Impedance (Ω)	-.-	F(mm)	10,0
Ripple Current (mA)	887	Ød(mm)	0,8
ESR (Ω) max.at 20°C 10KHz	-.-	α(mm)	3
Lifetime (hrs)	2000	-.-	-.-
Operating- Temperature Range (°C)	.-40°C ~ +105°C	-.-	-.-



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THT, Radial E-Cap., Standard Serie for general purposes, High CV value, Long Lead, ROHS Conform, Packing Bulk-Ware into Polybag/Box

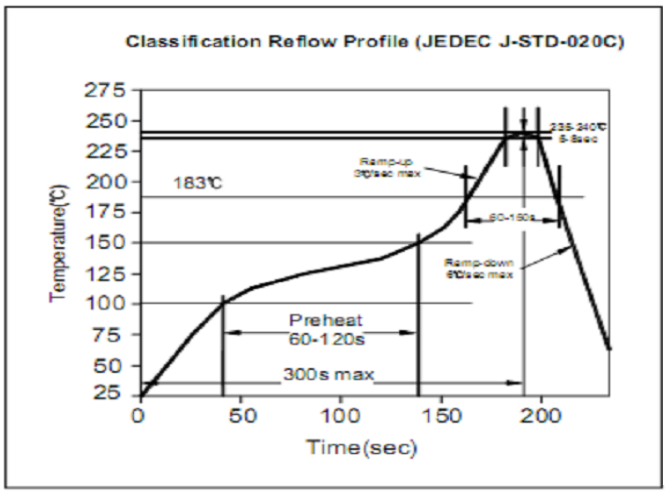
Ordering Informations:

Serie-No. / Voltage / Range / Size	Capacity Tolerance	ROHS	Packing
I14009-4012212245	M	R	BU

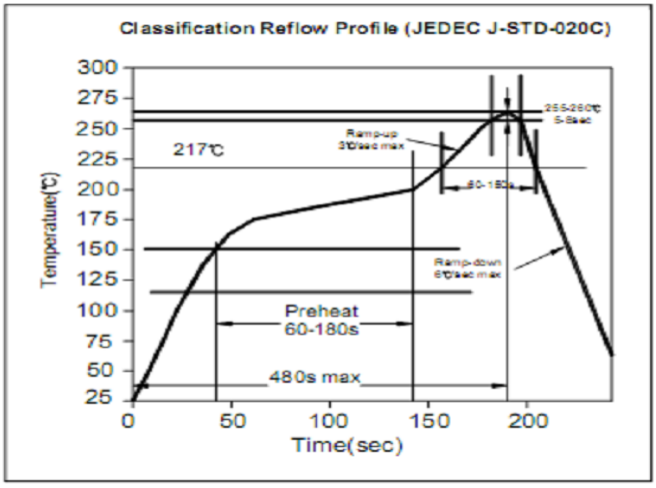
Serie	Voltage (V)	Range µH)	D * L (mm)	Tolerance Order Code	ROHS	Packing
					R= ROHS	**BU**= Bulk-Ware Long Lead
					N= NON ROHS	**T/B**= Tape/Box
						L3= Lead-Length 3~3,5mm

Soldering Information

Lead Solder Performance



Lead free Solder Performenace



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