THT, Radial E-Cap., Non-polarized, Wide operating temperature Range, Designed for use in circuits with reversing polarity, Long Lead, ROHS Conform, Packing Bulk-Ware into Polybag

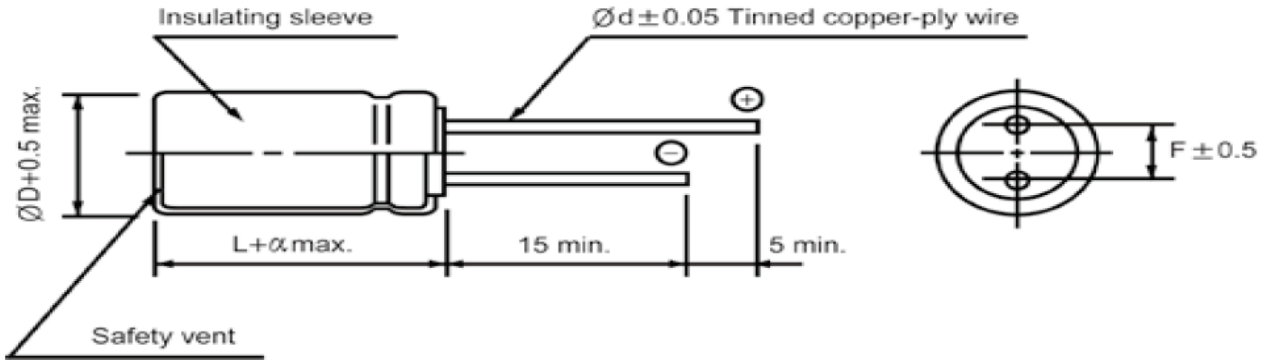
Items		Performance Characteristics										
Operating temperature range		.-40°C +105°C										
Leakage currrent max.		I = 0,03CV + 3µA whichever is greater (after 5 minutes)										
Capacitance tolerance		±20% at 120Hz, 20°C										
Dissipation factor max. (at 120Hz, 20°C)	WV	6,3	10	16	25	35	50	63	80	100		
	TanQ	0,24	0,20	0,16	0,16	0,14	0,12	0,12	0,12	0,12		
Low temperature characteristics (Impedance ratio at 120Jz)		6,3	10	16	25	35	50	63	63	100		
	Z-25°C / Z+20°C	4	3	2	2	2	2	2	2	2		
	Z-40°C / Z+20°C	8	6	4	3	3	3	3	3	3		
Load life (after application of the rated voltage for 1000hrs at 105°C)	Leckage Current					Less than specified Value						
	Capacitance Change					Within ±20% off initial Value						
	TanQ					Less than 200% of specified value						
	Test method					Polarity reverse each 250 hours						
Shelf life (at 105°C)	After 1000 hours no load test, leackage current, capacitance and tanQ are same as load life value.											

FREQUENY COEFFICIENT OF PERMISSIBLE RIPPE CURRENT

µF	Frequency	50HZ	120Hz	1kHz	10kHz≤		
~ 47		0,75	1,00	1,55	2,00		
68 ~ 680		0,80	1,00	1,34	1,50		
1000 ~		0,85	1,00	1,13	1,15		

Technical Details

Range (µF)	47	ØD(mm)	10,0
Voltage	50	L(mm)	20,0
Impedance (Ω)	-.-	F(mm)	5,0
Ripple Current (mA)	147	Ød(mm)	0,6
ESR (Ω) max.at 20°C 10KHz	-.-	α(mm)	2
Lifetime (hrs)	1000	-.-	-.-
Operating- Temperature Range (°C)	.-40°C ~ +105°C	-.-	-.-



ØD	5	6,3	8	10	12,5	16	18	22	25
F	2,0	2,5	3,5	5,0	5,0	7,5	7,5	10,0	12,5
Ød	0,5			0,6		0,8			
α	1,5			2					

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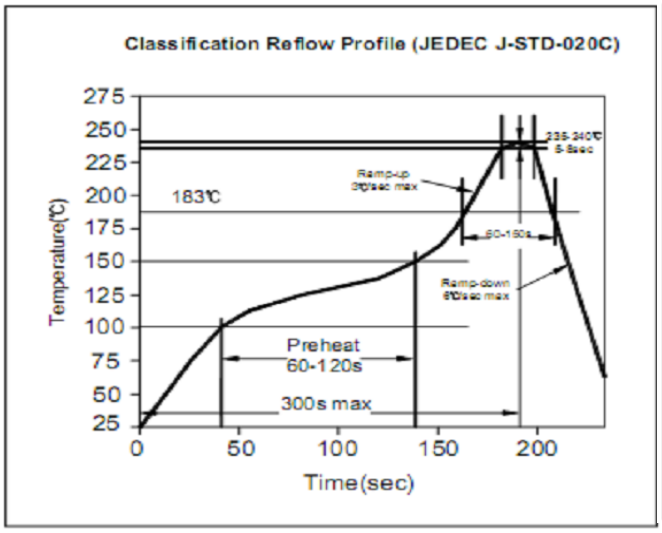
Ordering Informations:

Serie-No. / Voltage / Range / Size	Capacity Tolerance	ROHS	Packing
I14134-5004701020	M	R	BU

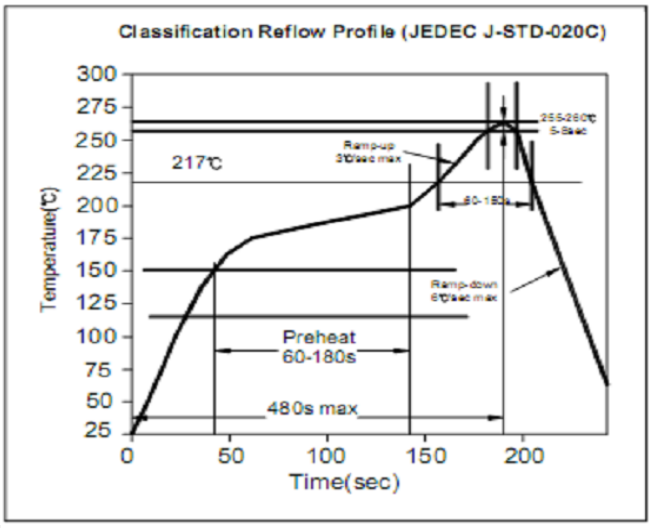
Serie	Voltage (V)	Range µH)	D * L (mm)	Tolerance Order Code	**R**= ROHS	**BU**= Bulk-Ware Long Lead
					N= NON ROHS	**T/B**= Tape/Box
						L3= Lead-Length 3~3,5mm

Soldering Information

Lead Solder Performance



Lead free Solder Performenace



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