DATA SHEET

CHIP Low Leakage Current

Serie: I15004

Voltage:	50Volt	Range:	2,2µF
Impedance:	98Ω	Dimension	4x5,4mm
Ripple Current:	15mA		

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	03.06.2014	CHIP Low Leakage Current
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										Customer:

EDCON-COMPONENTS

Designed for surface mounting on high density circuit board
Emboss carrier tape packing systems is available for automatic insertion

EDCON COMPONENTS
A MEMBER OF EDCON-GROUP

Technical Informations

Voltage:	**50Volt**
Range;	**2,2µF**
Dimension; D x L mm	**4x5,4mm**
Impedance (Ω) max., at20°C, 100hKz	**98Ω**
Ripple Current (mA rms) at 105°C, 100kHz	**15mA**

Ordering Code				
500	**Voltage**			
2R2	**Range**			
D=	**A**		**L=**	**0**

Low Leakgae current (0,5µA to 3,3µA max).
Low cost for replacement of some tantalum applications
Low Impedance with Operating Temperatur Range of -40°C ~ +85°C
Load Life of 2000hours

Leakage current max.		I= 0,002CV or 0,5µA whichever is greater (after 2 minutes)
Capacitance tolerance	± 20% at 120Hz, 20°C	

Dissipation factor max. (at 120Hz, 20°C)														
	WV		6,3	10	16	25	35	50						
	TanÕ	Ø4 ~ Ø6,3mm	0,24	0,20	0,16	0,14	0,12	0,10						

Low Temperatur characteristics (Impedance ratio at 120Hz)														
	WV		6,3	10	16	25	35	50						
		Z-25°C / Z+20°C	4	3	2	2	2	2						
		Z-40°C / Z+20°C	8	6	4	4	3	3						

Load Life (after aplication of the rated voltage for 2000hrs at 85°C		
	Leakagge current	Less than specified value
	Capacitance Change	Within ±25% of initial value
	TanÕ	Less than 200% of specified value
	Ø4 ~ Ø6,3x5,4: 1000hours	

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Resistance to soldering heat	After reflow soldering and resistance at room temperature, they meet the characteristics requirements listed at underside	
	Leakage current	Less than specified value
	Capacitance Change	Within ± 10% of initial value
	TanÕ	Less than specified value

FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency	**50Hz**	**120Hz**	**300Hz**	**1KHz**	**10KHz≤**	
Coefficient	0,70	1,00	1,17	1,36	1,50	

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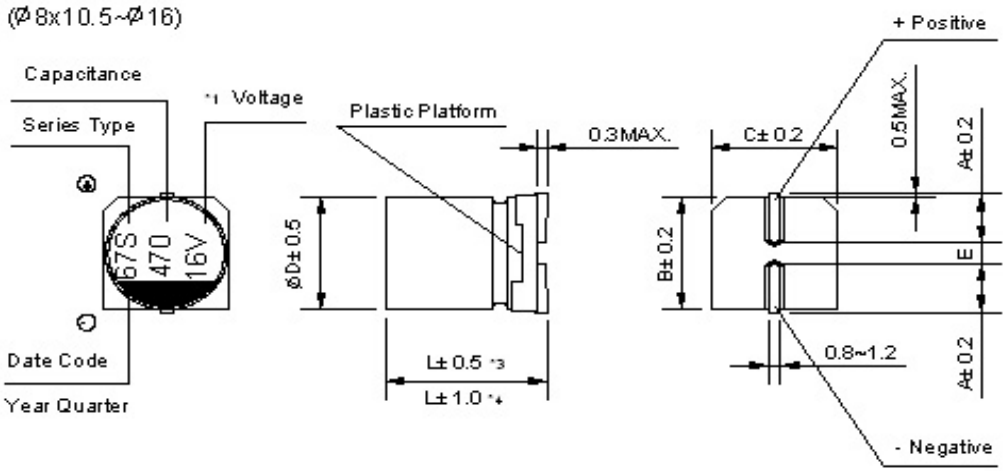
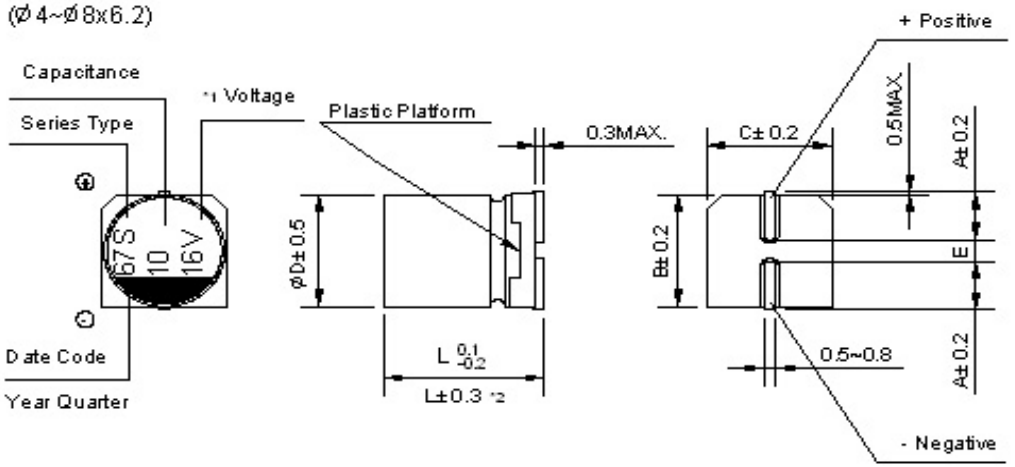
Technical Drawing

Dimension of Size Ø 8x10,5 ~ 16mm



Dimension of Size Ø 4~ 8x6,2mm



D x L	Ø 4 x 5.4	Ø 5 x 5.4	Ø 6,3 x 5.4	Ø 6,3 x 7,7							
A	2,0	2,2	2,6	2,6							
B	4,3	5,3	6,6	6,6							
C	4,3	5,3	6,6	6,6							
E +/-0.2	1,0	1,3	1,9	1,9							
L	5,4	5,4	5,4	7,7							

*1 Voltage mark (6V) reprents 6,3V for Ø 4 ~ 10mm
*2 (L +/- 0.3) is applicable to Ø 6,3 ~ 7.7 and Ø 8 + 6,2mm
*3 (L +/- 0.5) is applicable to Ø 8x10,5 ~ Ø 10mm
*4 (L +/- 1.0) is applicable to Ø 12,5 ~ Ø 16mm
RE. Date code and seriew type -1st digit for Year 2nd digit for Quarter, 4 quarter codes in one year area 1,4,7,0
3rd character for Serie S

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Voltage Ordering Code	Code
4,0	**4V0**
6,3	**6V3**
10	**100**
16	**160**
25	**250**
35	**350**
50	**500**
63	**630**
80	**800**
100	**101**

Diameter ordering Code D	Code
3mm	**3**
4mm	**A**
5mm	**B**
6,3mm	**C**
8mm	**E**
10mm	**G**
12,5mm	**I**
16mm	**K**

Height ordering Code L	Code
4mm	**A**
5,4mm	**0**
5,8mm	**1**
6,2mm	**2**
7,7mm	**3**
10,5mm	**4**
13,5mm	**5**
16mm	**6**
16,5mm	**7**

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Ordering Informations

Serie		Voltage Code	Tolerance Code	Range Code	Size Code D	Size Code L	Special function	ROHS	Packing Code		
I15004	**-**	**500**	**M**	**2R2**	**A**	**0**	**XX**	**R**	**TR**		

look table Voltage Code	**M=** ±20%	Ordering Code Range	Look table Code D	Look table Code L	**XX=** No function	**R=** ROHS Conform	**TR=** Tape Reel Packing		
						N= NON ROHS Conform	**BU=** Bulk-Ware		

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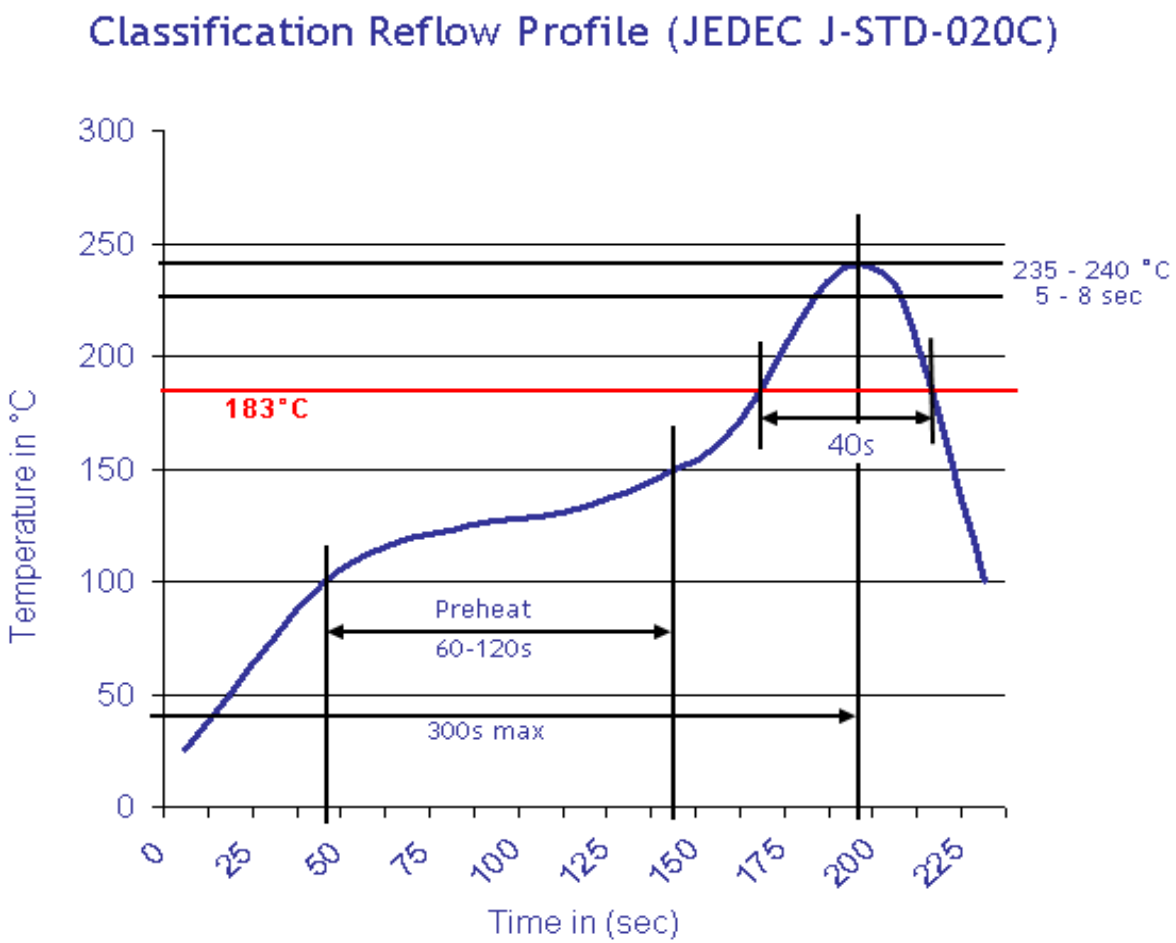
Soldering Profile Curve



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