

EDCON-COMPONENTS



2.5 x 2.0 x 1.2mm



Features

- Frequency Range 20,00MHZ ~ 48,00MHZ
- Light weight with small and thin packaging
- Low resonant impedance
- Built-In capacitor
- IR reflow capable

Applications

- Remote controls Microprocessors, clocks, Mobile Phones
- DCD & CD-roms, Electric appliances
- Industirla controllers
- Consumer electronics

Specifications

Frequency Range:	20,00MHz to 48,00MHz
Resonant Impedance	look table
Frequency Tolerance:	± 0,5% @ (25°C)
Frequency stability	± 0,2% (-25°C ~ +85°C) max.
Withstanding Voltage	50 VDC, 1 Min.
Rating Voltage	
1. DC	6 VDC max.
2. AC	15Vp-p. max.
Load capacitance C1=C2	10pf ± 20% (20,0 ~ 25,99MHz)
	5pf ± 20% (26,0 ~ 48,00MHz)
Insulation Resistance:	100M Ω min. (10V, 1min)
Operating Temperature:	.-25°C to +85°C
Storage Temperature:	.-55°C to +85°C
Aging Rate:	0,2% max. (10years)

Resonant Impedance

Frequency Range	Reson. Impedance
20,00Mhz ~ 25,99MHz	60 max.
26,00Mhz ~ 35,00MHz	50 max.
35,01Mhz ~ 48,00MHz	50 max.

SMD BUILD-IN Ceramic Resonator 2,5x2,0x1,2mm

Part No.: **O16016**

DRW:	Jose	CHKD	John	MATL:	Victoria	TOLERANCE	Mu Tao	DATE	09.11.2013	Customer:
APPD:	Victor			FINISH	Oliver		Sheet No.		1 from 4	

EDCON-COMPONENTS

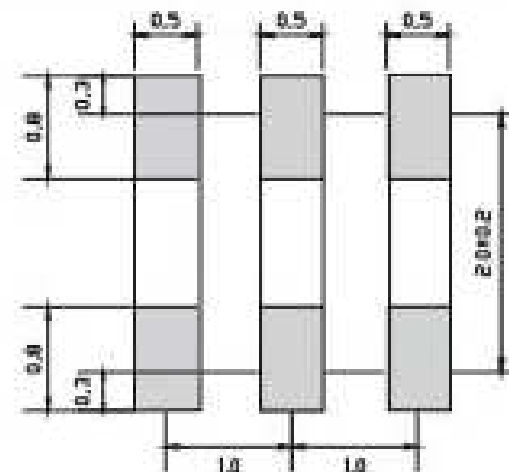
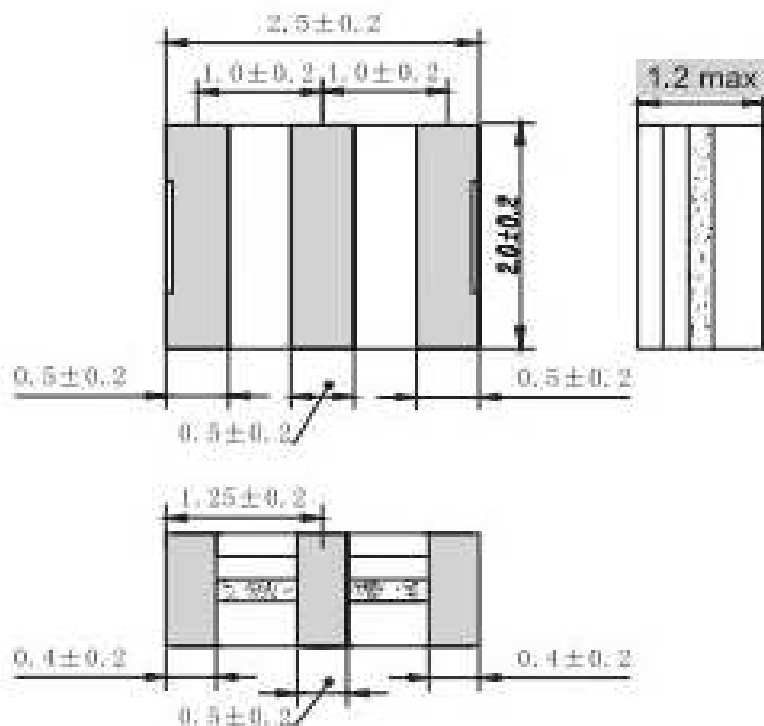


2.5 x 2.0 x 1.2mm



Technical Dimensions Dimensions (mm)

P.C.B. Layout



SMD BUILD-IN Ceramic Resonator 2,5x2,0x1,2mm

Part No.: **O16016**

DRW:	Jose	CHKD	John	MATL:	Victoria	TOLERANCE	Mu Tao	DATE	09.11.2013
APPD:	Victor			FINISH	Oliver		Sheet No.	2 from 4	Customer:

www.edcon-components.com

email: info@edcon-components.com

EDCON-COMPONENTS



2.5 x 2.0 x 1.2mm



Ordering Informations

Serie	Frequency Range	Frequency Tolerance	Special function	Special function	Temperature Range	ROHS	Packing			
O16016	20M0000	A	0	0	A	R	TR			

10 Letters (empty fill w. 0)	A= +/- 0,2%	0= no special function	0= no special function	A= -0°C ~ +50°C	R= ROHS Conform	TR= Tape /Reel
				B= -10°C ~ +60°C	N= NON ROHS Conform	
				C= -25°C ~ +85°C		

SMD BUILD-IN Ceramic Resonator 2,5x2,0x1,2mm	
Part No.:	O16016
Customer:	

DRW:	Jose	CHKD	John	MATL:	Victoria	TOLERANCE	Mu Tao	DATE	09.11.2013
APPD:	Victor			FINISH	Oliver		Sheet No.		3 from 4

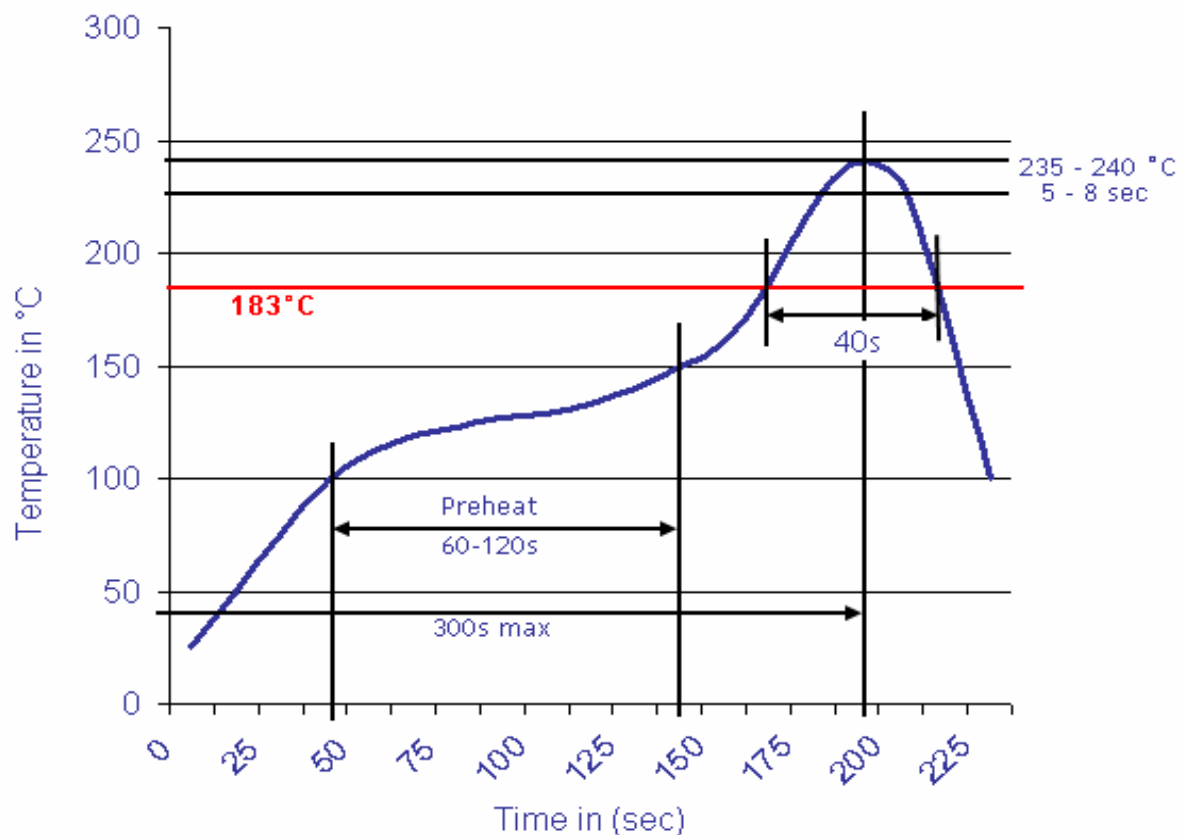


2.5 x 2.0 x 1.2mm



Soldering Profile

Classification Reflow Profile (JEDEC J-STD-020C)



SMD BUILD-IN Ceramic Resonator 2,5x2,0x1,2mm	
Part No.:	O16016
Customer:	

DRW:	Jose	CHKD	John	MATL:	Victoria	TOLERANCE	Mu Tao	DATE	09.11.2013
APPD:	Victor			FINISH	Oliver		Sheet No.	4 from 4	