

EDCON-COMPONENTS



2.5 x 2.0 x 1.2 mm



Features

Frequency Range 20,00MHz ~ 50,00MHz
 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
 Industriala controllers
 Consumer electronics

Specifications

Frequency Range:	20,00MHz to 50,00MHz
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	15pf ± 20%
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. (from initial value)

Resonant Impedance

Frequency Range	Reson. Impedance	Load Capacitance for test circuit C1=C2 (pf)
20,00Mhz ~ 25,99MHz	60 max.	10pf ± 20%
26,00Mhz ~ 35,00MHz	50 max.	5pf ± 20%
35,01Mhz ~ 50,00MHz	50 max.	5pf ± 20%

SMD Ceramic Resonator
2,5x2,0x1,2mm

Part No.: **O16019**

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

www.edcon-components.com

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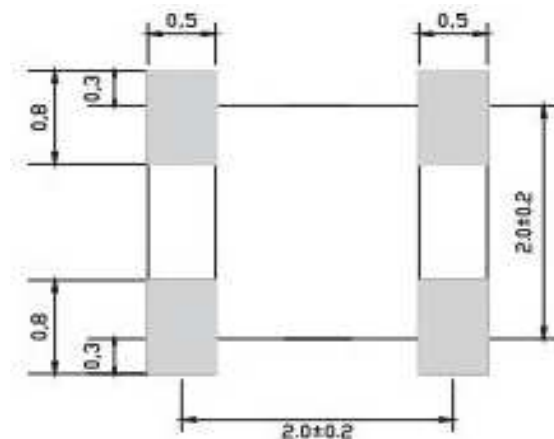
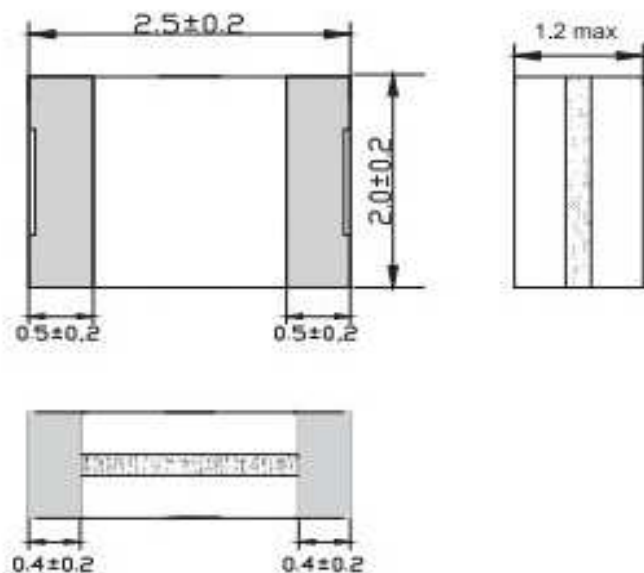


2.5 x 2.0 x 1.2 mm



Technical Dimensions Dimensions (mm)

P.C.B. Layout



**SMD Ceramic Resonator
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Ordering Informations

Serie	Frequency Range	Frequency Tolerance	Load capacitance	Special function	Temperature Range	ROHS	Packing			
O16019	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		
						BU= Bulk Ware

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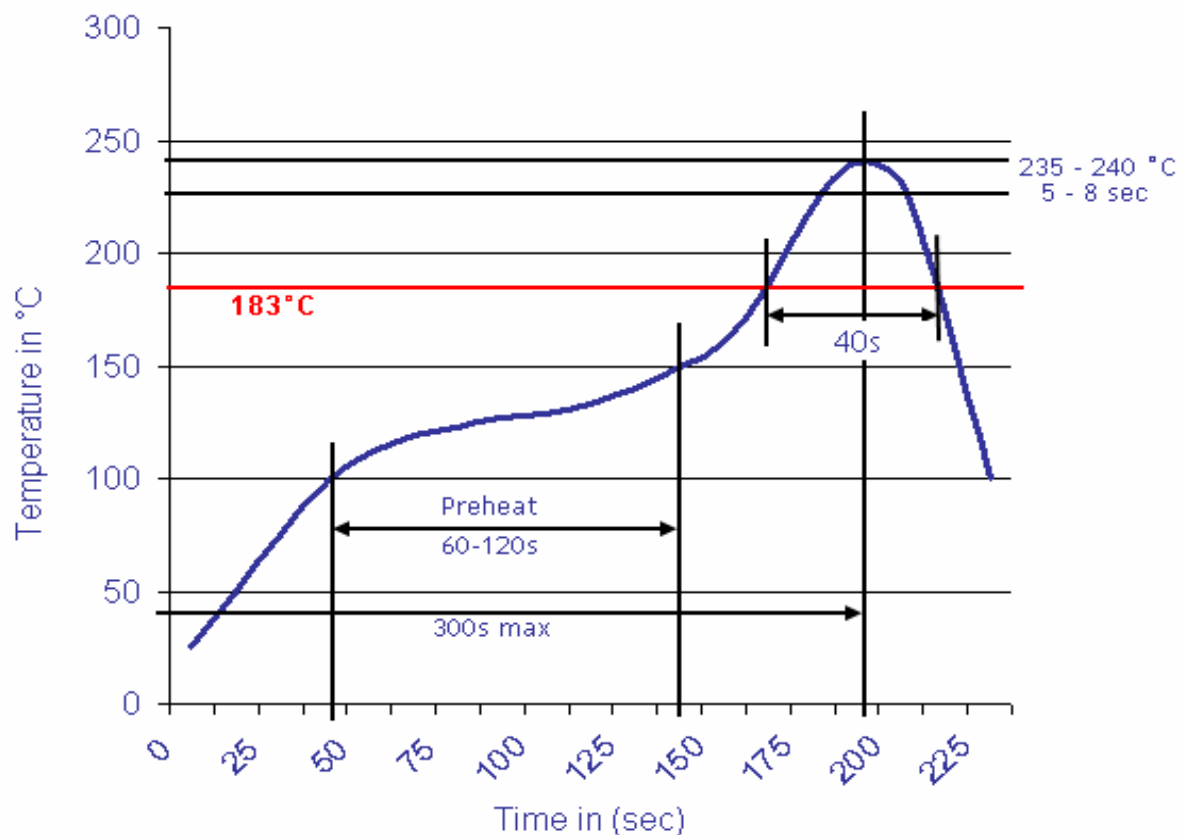


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Soldering Profile

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



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