



8.8 x 3.2



SPECIFICATION:

Frequency Range:	4,001 ~ 70 Mhz
Operation Mode:	look table
Operating Temperature:	. -10°C to + 60°C (see options)
Storage Temperature:	. -40°C to + 85°C
Frequency Tolerance:	± 30ppm max. (see options)
Frequency Stability:	± 50ppm max. (see options)
Equ. Serie Resistance:	see ESR table
Shunt Capacitance:	5pf max.
Load Capacitance:	16pf (see options)
Drive Level:	100µ W. max.
Aging @ xx per Year	.+/- 5ppm @ 25°C
Insulation Resistance:	500MΩ min. with 100Vdc ±15Vdc

Dimensions (mm)

Length:	8.8mm
Diameter:	3,2mm

Standard ESR table

Frequency	ESR max.
4,000 ~ 5,999 Mhz	150 Ω
6,000 ~ 9,999Mhz (Fund.)	100 Ω
10,000 ~ 32,000Mhz (Fund.)	50 Ω
30,000 ~ 35,999Mhz (3rd OT)	100 Ω
36,000 ~ 70,000Mhz (3rd OT)	80 Ω

DRW:	HQ	CHKD	Wilson	MATL:	WHX	TOLERANCE	John	DATE	09.11.2013
APPD:	YQ	HHQ		FINISH	XM		Sheet No.		1 from 4

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Technical and Mechanical Explanation

Temperature cycling:	. +/-5ppm max. -55°C to +85°C, 3Cycles, 2hours max. Reference 25°C.
Thermal Shock:	. +85°C and -55°C. Exposure time at extreme temperature for 5 minutes, 3 cycles.
Vibration:	Frequency with an amplitude of 1,5mm sweeping between 10Hz to 55Hz within 1 minute for 2 hours minimum on each axis (x,y,z)
Drop test:	Natural drop on a hard wood board at 75cm , 3 times
Humidity:	85% RH at +85°C, 96 hours minimum
Marking permanency:	Dip units in solvents, 10strokes with brush , 3 times
Fine leak test:	Helium leak, <2E-8atm. Cc/sec.
Gross leak test:	100% in De-ionized water or Perfluorocarbon for 60s. Min.
Solderability:	Dip in solder (255°C +/- 5°C for 5 seconds. More than 95% of surface being tested should be coated uniformly with solder.
Lead bend:	Will withstand maximum bend of 90°C reference to base for 2 bends.

Operation Mode table

Frequency	Operation Mode
4,001 ~ 32,000 Mhz	Fundamental
30,00MHz ~ 70,0MHz	3rd OT

SMD Quarz Crystal
3,2x2,5mm

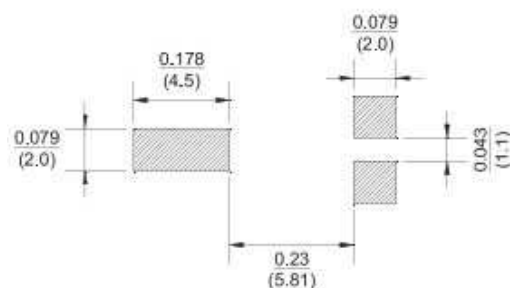
Part No.: **O12061**

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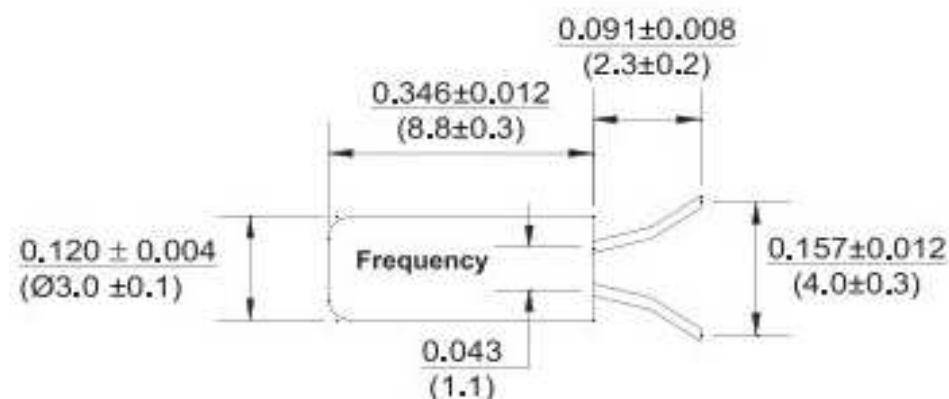
email: info@edcon-components.com



P.C.B Layout



Drawing



**SMD Quarz Crystal
3,2x2,5mm**

Part No.: **O12061**

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Ordering Informations

Serie	Frequency	Frequency Tolerance (ppm)	Frequency Stability (ppm)	Oscillator Mode	Operating Temperature	Load Capacity	Rohs Conform	Packing		
O12061	4M0001	B	2	A	1	F	R	TR		

xMxxxxx Mhz (max 6 Letters)			A= Fund.	1= -10°C ~ +50°C		R= Rohs Conform	BU= Bulk Ware
	B= 50ppm	2= 50ppm		2= -20°C ~ +70°C		N= NON Rohs Conform	TR= Tape Reel
	C= 30ppm	3= 30ppm		3= -40°C ~ +85°C	F= 18pf		
	D= 20ppm	4= 20ppm			G= 20pf		
					H= 22pf		
	E= 10ppm	5= 10ppm			I= 27pf		
					J= 33pf		
					K= 33pf		
					L= 30pf		

**SMD Quarz Crystal
3,2x2,5mm**

Part No.: **O12061**

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APPD:	YQ	HHQ		FINISH	XM		Sheet No.		3 from 4

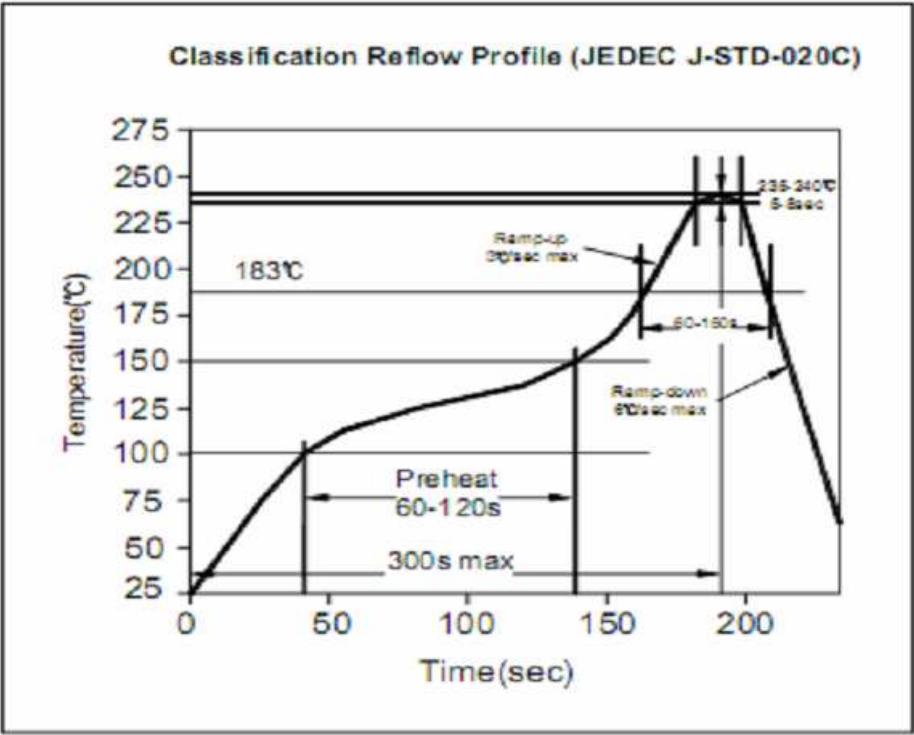
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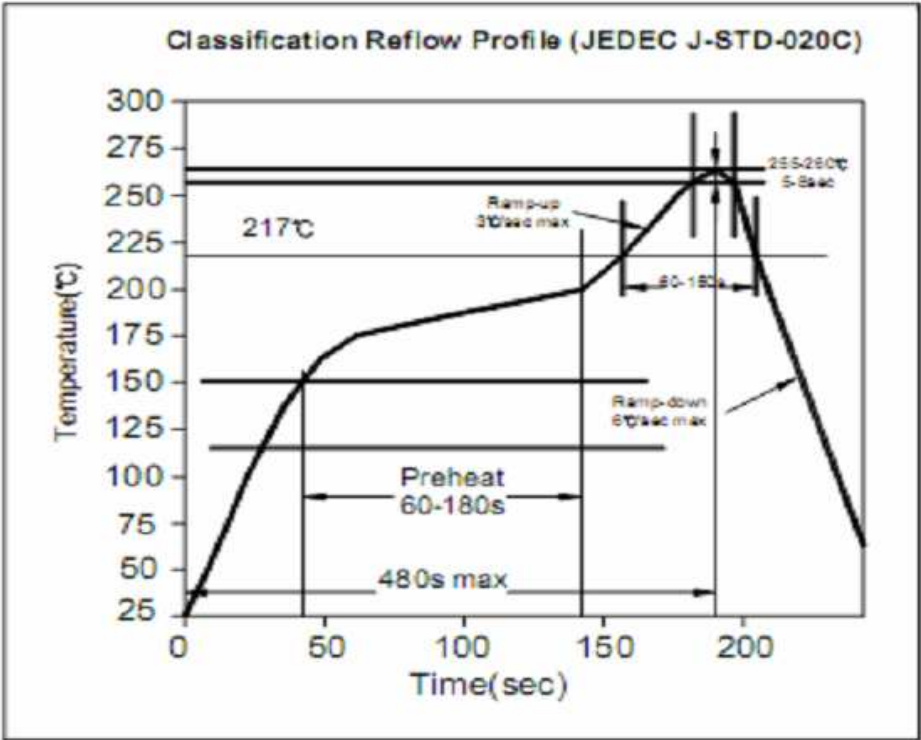


Soldering Conditions

Lead Soldering Conditions



Lead Free Soldering Conditions



SMD Quartz Crystal
3,2x2,5mm

Part No.: 012061

Customer:

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APPD:	YQ	HHQ		FINISH	XM		Sheet No.	4 from 4	