



Dimension (mm)	
Length:	11,4
Wide:	5,0
Wide:	5,1



SPECIFICATION:

Frequency Range:	3,5 ~ 40,0 Mhz (Fundamental) 30 ~ 80,0 Mhz (3rd Overtone)
Operating Temperature:	.-10°C ~ +70°C
Storage Temperature:	.-40°C ~ +85°C
Frequency Tolerance	±30ppm
Drive Level	0,1mW (1mW max.)
Shunt Capacitance	7pf max.
Insulation Resistance	500M Ω Min.
Aging @ xx per Year	./- 5ppm
Load Capacitance	18pf or customer specify

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 with stand maximum bend of 90°C reference to base for 2 bends.

Serie Resistance (ESR)

Frequency Range (MHz)	3.5<f0≤4.5	4.5<f0≤6.0	6.0<f0≤8.0	8.0<f0≤12.0	12.0<f0≤15.0	15.0<f0≤18.0
ESR	120 Ω Max.	90 Ω Max.	70 Ω Max.	60 Ω Max.	40 Ω Max.	30 Ω Max.

Frequency Range (MHz)	18.0<f0≤33.0	30.0<f0≤35.0 (3.O.T)	35.0<f0≤40.0 (3.O.T)	40.0<f0≤80.0 (3.O.T)
ESR	25 Ω Max.	100 Ω Max.	80 Ω Max.	70 Ω Max.

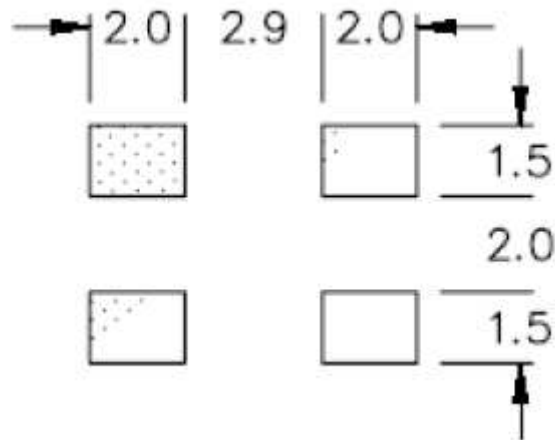
Inclusive of initial frequency tolerances at 25°C operating temperature range, supply voltage change, load variation and 1st year aging. Please consult our sales representation for other specifications.

Quarz Crystal 11,4x5,0x5,1mm	
Part No.:	O12063
Customer:	

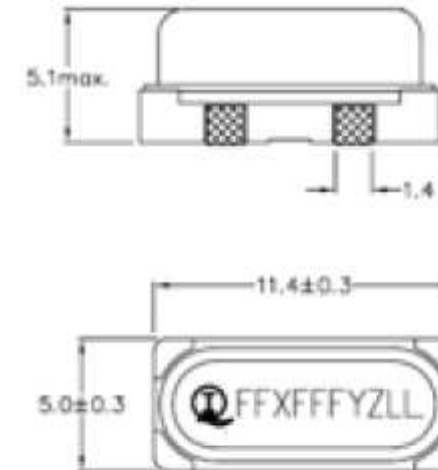
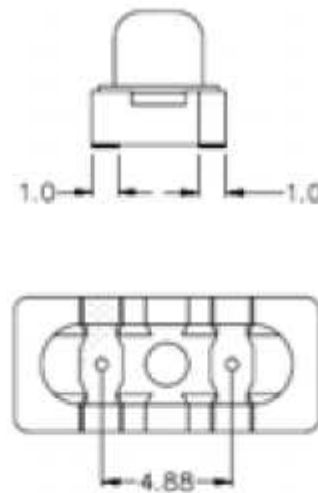
DRW:	HQ	CHKD	Wilson	MATL:	WHX	TOLERANCE	John	DATE	08.07.2010
APPD:	YQ	HHQ		FINISH	XM		Sheet No.		1 from 4



P.C.B Layout



Drawing



Quarz Crystal	
11,4x5,0x5,1mm	
Part No.:	O12063
Customer:	

DRW:	HQ	CHKD	Wilson	MATL:	WHX	TOLERANCE	John	DATE	08.07.2010
APPD:	YQ	HHQ		FINISH	XM		Sheet No.	2 from 4	



Ordering Informations

Serie	Frequency	Frequency Tolerance (ppm)	No function	Operating Temperature	No function	Load Capacitance	ROHS Conform	Packing	
O12063	-	xxMxxxxx	A	X	A	X	A	R	TR

xMxxxxxx Mhz (max 8 Letters)	A= 30ppm		A= -10°C ~ +70°C		A= 18pf (Standard)	R= Rohs Conform	BU= Bulk Ware
		X= xxppm				X= customer specificity	N= NON Rohs Conform

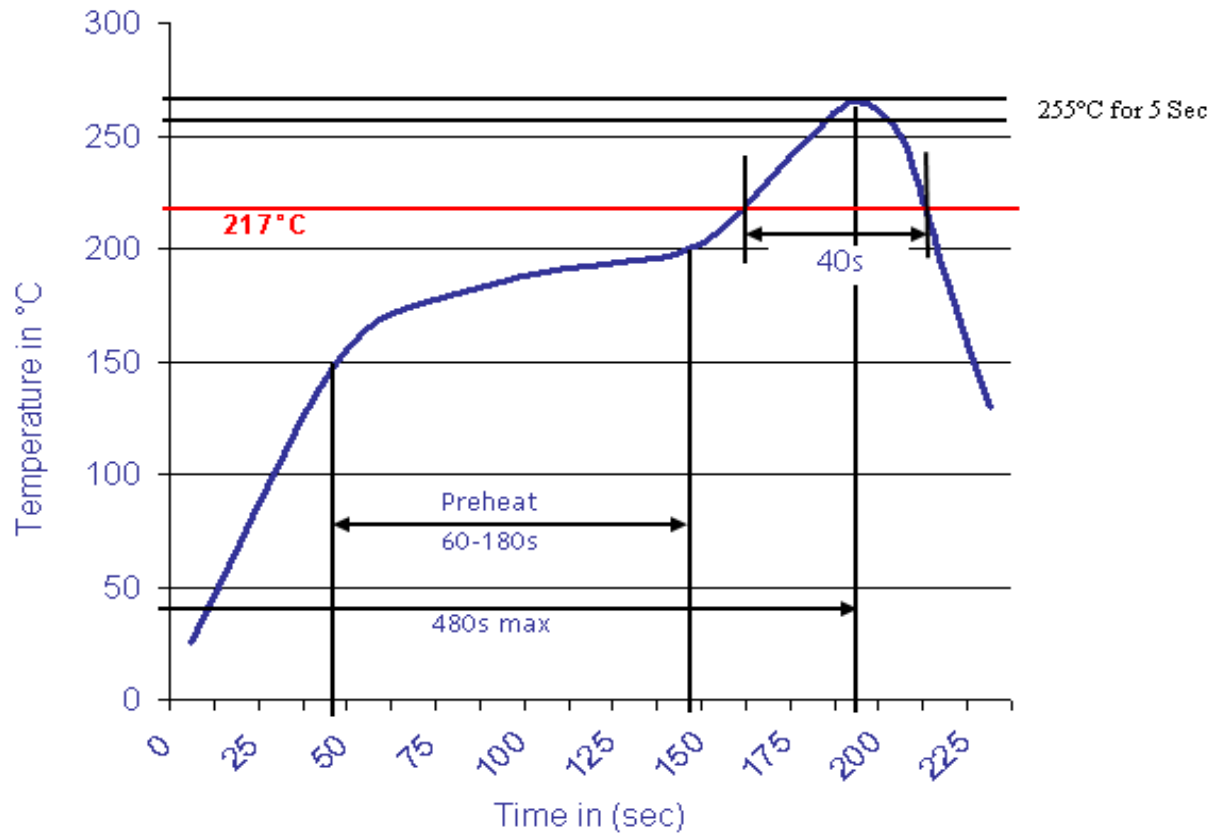
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APPD:	YQ	HHQ		FINISH	XM		Sheet No.		3 from 4



Soldering Conditions

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



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11,4x5,0x5,1mm	
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APPD:	YQ	HHQ		FINISH	XM		Sheet No.	4 from 4	