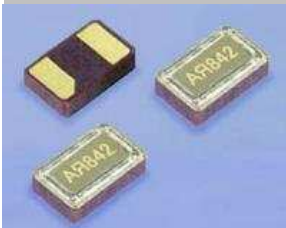


EDCON-COMPONENTS



SPECIFICATION:

Frequency Range: 32,768Khz
 Operation Mode:
 Operating Temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
 Storage Temperature: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
 Frequency Tolerance: $\pm 20\text{PPM}$
 Temperatur Coefficient: $-0,034 \pm 0,006 \text{ppm}/(^{\circ}\text{C})^2$
 Serie Resistance: $90\text{K}\Omega$
 Shunt Capacitance: $1,8\text{pf typ.}$
 Load Capacitance: $12,5\text{pf}$
 Drive Level: $0,5\mu\text{W}$
 Aging @ xx per Year: $\pm 3\text{ppm}$
 Insulation Resistance: $500\text{M}\Omega \text{ min.}$
 Turnover Temperature: $25 \pm 5^{\circ}\text{C}$

Dimensions (mm)

Length: 2,0mm
 Wide: 1,2mm
 Height: 0,6mm

Technical and Mechanical Explanation

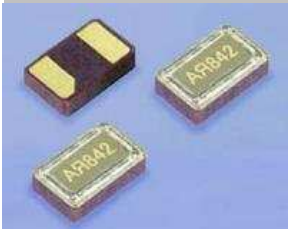
Temperature cycling: $\pm 5\text{ppm max. } -55^{\circ}\text{C to } +85^{\circ}\text{C, 3Cycles, 2hours max. Reference } 25^{\circ}\text{C.}$
 Thermal Shock: $\pm 85^{\circ}\text{C and } -55^{\circ}\text{C. Exposure time at extreme tempera ture for 5 minutes, 3 cycles.}$
 Vibration: Frequency with an 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 $+85^{\circ}\text{C}$, 96 hours minimum
 Marking permanency: Dip units in solvents, 10strokes with brush , 3 times
 Fine leak test: Helium leak, $<2\text{E-8atm. Cc/sec.}$
 Gross leak test: 100% in De-ionized water or Perfluorocarbon for 60s. Min.
 Solderability: Dip in solder ($255^{\circ}\text{C } \pm 5^{\circ}\text{C}$ for 5 seconds. More t han 95% of surface being tested should be coated uniformly with solder.
 Lead bend: Will with stand maximum bend of 90°C reference to b ase for 2 bends.

**Clock Quarz Chrystal
2,0x1,2mm**

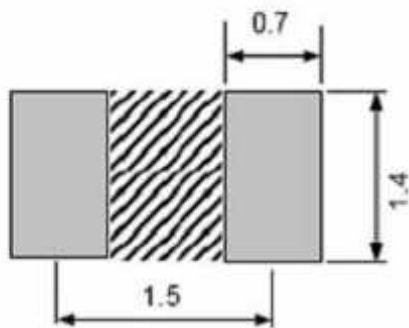
Part No.: **O12026**

DRW:	HQ	CHKD	Wilson	MATL:	WHX	TOLERANCE	John	DATE	18.07.2013
APPD:	YQ	HHQ		FINISH	XM		Sheet No.		1 from 4

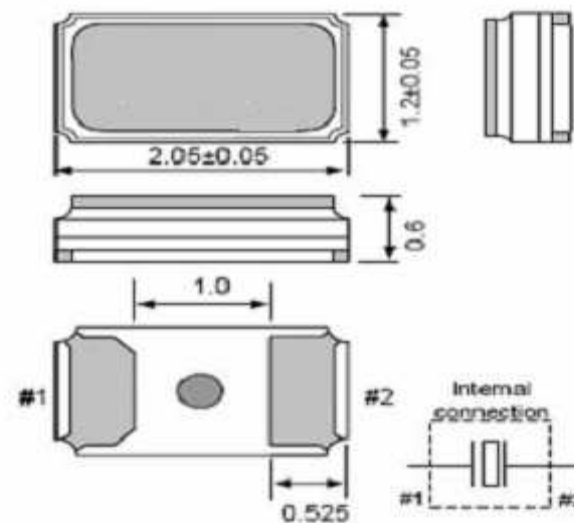
Customer:



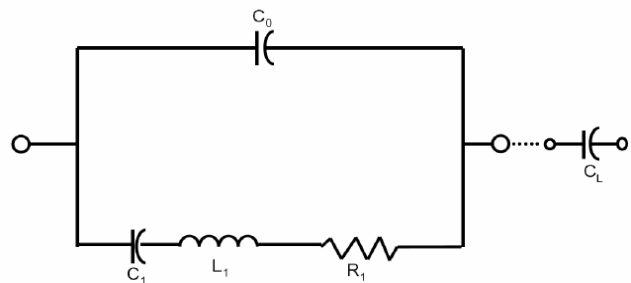
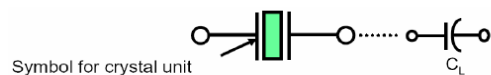
P.C.B Layout



Drawing



Circuit



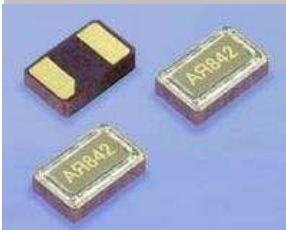
**Clock Quarz Chrystal
2,0x1,2mm**

Part No.: **O12026**

Customer:

DRW:	HQ	CHKD	Wilson	MATL:	WHX	TOLERANCE	John	DATE	18.07.2013
APPD:	YQ	HHQ		FINISH	XM		Sheet No.		2 from 4

EDCON-COMPONENTS



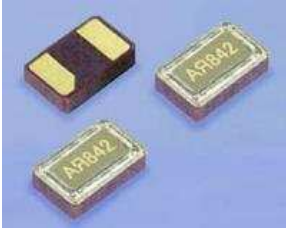
Ordering Informations

Serie	Frequency	Frequency Tolerance (ppm)	Frequency Stability (ppm)	Oscillator Mode	Operating Temperature	Load Capacity	Rohs Conform	Packing		
O12026	32K768	D	N	N	3	C	R	TR		

xMxxxxx Mhz (max 6 Letters)							R= Rohs Conform	BU= Bulk Ware
						C= 12,5pf	N= NON Rohs Conform	TR= Tape Reel 3K PCS
					3= -40°C ~ +85°C			
	D= 20ppm							
						N= No function		
							N= No function	

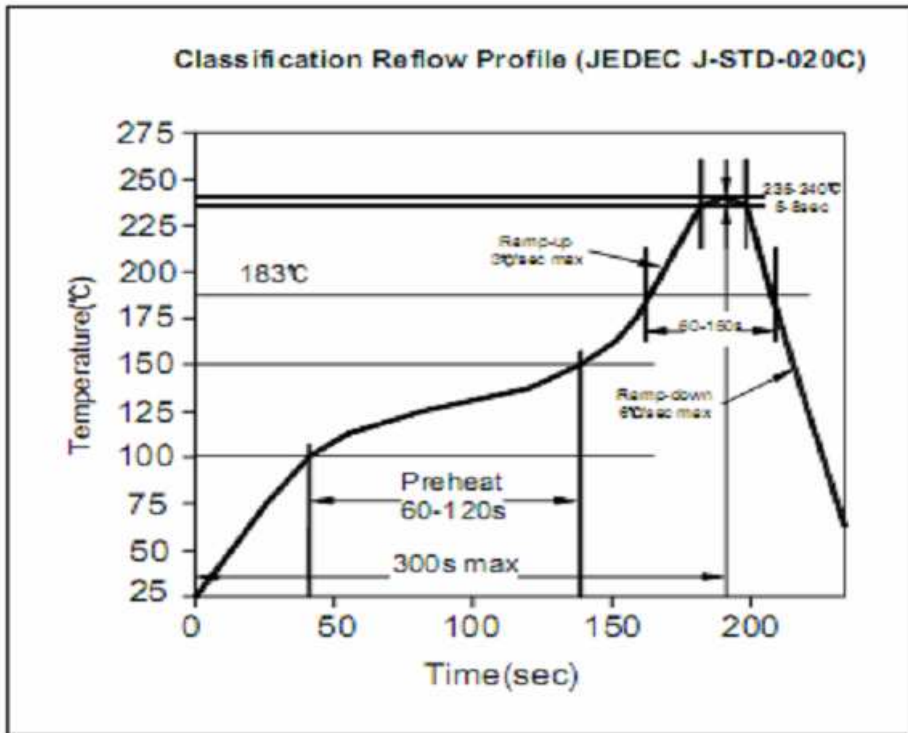
Clock Quarz Chrystal 2,0x1,2mm	
Part No.:	O12026
Customer:	

DRW:	HQ	CHKD	Wilson	MATL:	WHX	TOLERANCE	John	DATE	18.07.2013
APPD:	YQ	HHQ		FINISH	XM		Sheet No.		3 from 4

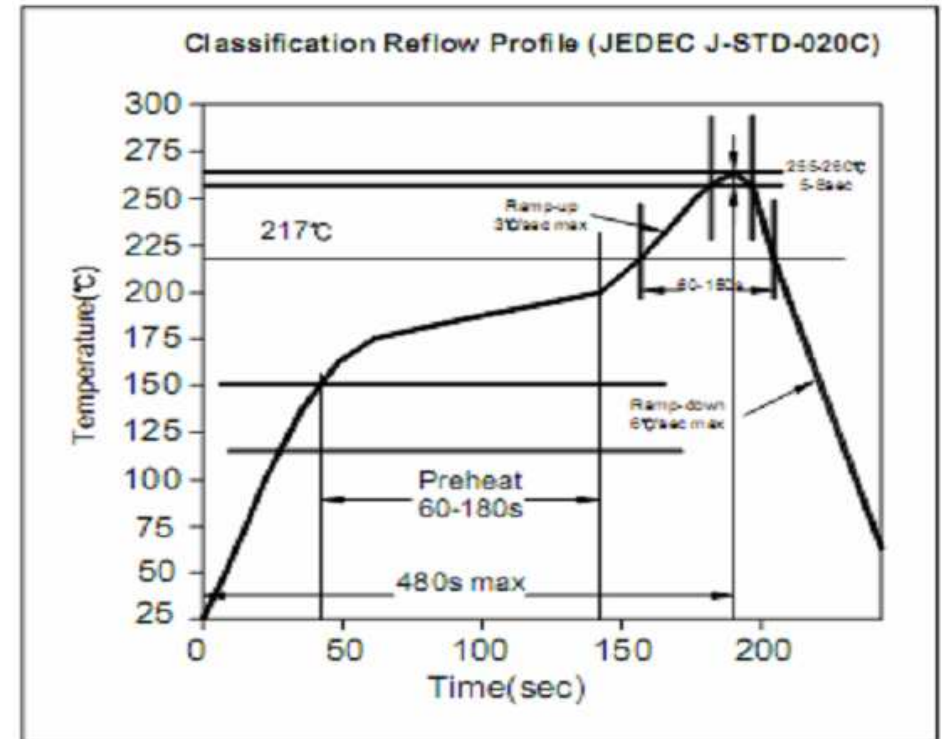


Soldering Conditions

Lead Soldering Conditions



Lead Free Soldering Conditions



**Clock Quarz Chrystal
2,0x1,2mm**

Part No.: **O12026**

DRW:	HQ	CHKD	Wilson	MATL:	WHX	TOLERANCE	John	DATE	18.07.2013
APPD:	YQ	HHQ		FINISH	XM		Sheet No.	4 from 4	Customer: