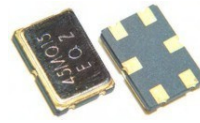


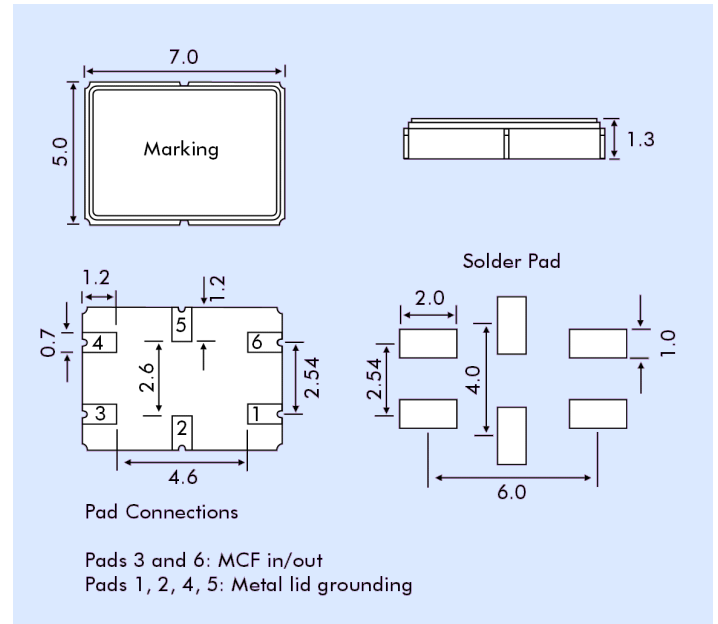
- Compact and low mass.
- Excellent shock and vibration resistance
- Suitable for automatic pick and place
- Solder reflow capable



### OUTLINE & DIMENSIONS

### ENVIRONMENTAL & MECHANICAL SPECIFICATIONS

RoHS Status:	RoHS compliant and pB free
Gross Leak:	60s minimum at +125°C in D.I. water or fluoro-carbon fluid.
Shock:	Half sine wave, acceleration of 100g peak amplitude for 11ms duration, 3 cycles in each plane.
Vibration:	±5ppm maximum, frequency 10Hz to 55Hz, amplitude 1.5mm or 10gs r.m.s. Duration 6 hours
Drop Test:	Three drops onto hard wood board from 75cm. 3 random drops.
Humidity:	After 48 hours at 85°C, 85% relative humidity, non-condensing
Thermal Shock:	Temperature cycling, exposed to -40° for 30 minutes then at +85°C for 30 minutes, duration of 5 days



### SPECIFICATIONS

Frequency (MHz)	Model	No. of Poles	Pass Bandwidth		Stop Bandwidth		Ripple dB max.	Insertion Loss dB max.	Guaranteed Attenuation		Terminating Impedance Ohms//pF
			dB	kHz	dB	kHz			dB	kHz	
21.400	21MQ7.5A	2	3	±3.75	20	±18	1.0	2.0	70	-910	850//6.0
21.400	21MQ15A	2	3	±7.5	18	±25	0.5	1.5	70	-910	1.5k//2.5
21.700	21.7MQ15A	2	3	±7.5	18	±28	1.0	2.0	70	-910	1.5k//2.5
45.000	45MQ15A	2	3	±7.5	15	±25	1.0	2.0	70	-910	560//6.0
45.000	45MQ30A	2	3	±15	15	±60	1.0	2.0	70	-910	1.2k//1.8

### PART NUMBER FORMAT

Example: **21MQ7.5A**

Centre Frequency Code

21M = 21.4MHz

21.7M = 21.700MHz

45M = 45.000MHz

Q: Package style 7.0 x 5.0 x 1.3mm SMD

Pass Bandwidth code (at 3dB min.)

7.5 = ±3.75kHz

15 = ±7.5kHz

30 = ±15kHz

Poles code

A = 2 poles (1 piece)

B = 4 poles (2 pieces)

C = 6 poles (3 pieces)

D = 8 poles (4 pieces)