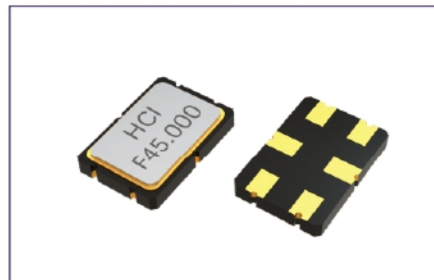


Monolithic CRYSTAL FILTER 7.0X5.0 PACKAGE

PRODUCT FEATURES

- Frequency Range: 20MHz~60MHz
- Thin and light weight
- Low Insertion loss
- High selectivity and High reliability
- Excellent shock and vibration resistance
- RoHS compliant, Pb-Free and Halogen-Free

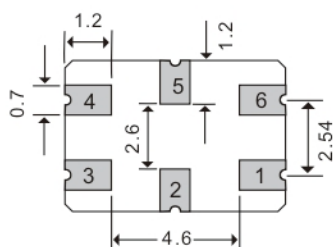
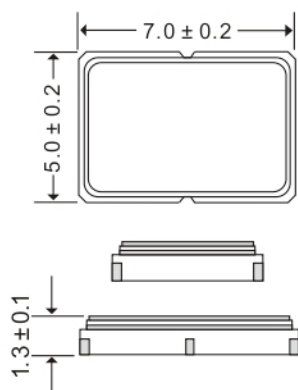
PRODUCT PHOTO



PRODUCT SPECIFICATIONS

Frequency (MHz)	Model	No. of poles	pass Bandwidth		Stop Bandwidth		Ripple		Insertion Loss		Guaranteed Attenuation		Terminating Impedance	Cc(pF)
			dB	KHz(min)	dB	KHz(max)	dB(max)	dB(max)	dB(max)	dB	KHz	ohms//PF		
21.400	21MQ7.5A	2	3	+/- 3.75	20	+/- 18	1.0	2.0	70	-910	850//6.0			
	21MQ15A	2	3	+/- 7.5	18	+/- 25	0.5	1.5	70	-910	1500//2.5			
	21MQ15B	4	3	+/- 7.5	40	+/- 25	1.0	3.0	70	-910	1800//0.35	5.0		
	21MQ30A	2	3	+/- 7.5	15	+/- 50	1.5	2.0	60	-910	2500//0			
21.700	21.7MQ15A	2	3	+/- 7.5	18	+/- 28	1.0	2.0	70	-910	1500//2.5			
	21.7MQ15B	4	3	+/- 7.5	40	+/- 25	1.0	3.0	70	-910	1750//0.35	5.0		
	21.7MQ30A	2	3	+/- 15	15	+/- 50	1.5	2.0	50	-910	2500//0			
45.000	45MQ15A	2	3	+/- 7.5	15	+/- 25	1.0	2.0	70	-910	650//3.5			
	45MQ15B	4	3	+/- 7.5	30	+/- 25	1.0	3.0	80	-910	600//2.3	7.5		
	45MQ30A	2	3	+/- 15	15	+/- 60	1.0	2.0	70	-910	1200//1.8			
	45MQ30B	4	3	+/- 15	30	+/- 40	1.0	3.0	70	-910	1200//1.0	2.5		

PACKAGE OUTLINE / DIMENSIONS



Pad 3 and 6 : M.C.F. in / out
Pad 1,2,4,5 : Metal lid for grounding

Recommended Land Pattern

