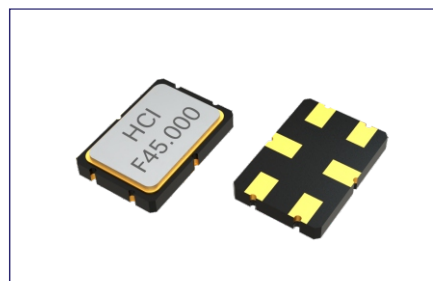


Monolithic CRYSTAL FILTER 7.0X5.0 PACKAGE

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

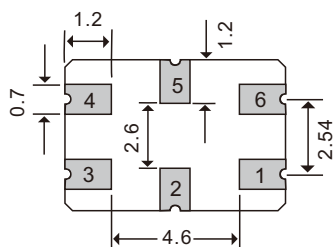
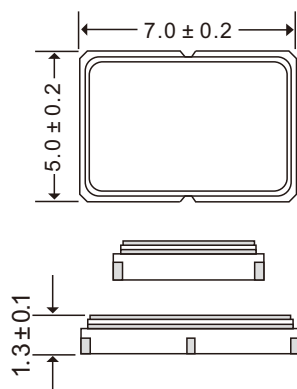
PRODUCT PHOTO



PRODUCT SPECIFICATIONS

Frequency (MHz)	Model	No. of poles	pass Bandwidth		Stop Bandwidth		Ripple dB(max)	Insertion Loss dB(max)	Guaranteed Attenuation		Terminating Impedance ohms//PF	Cc(pF)
			dB	KHz(min)	dB	KHz(max)			dB	KHz		
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

