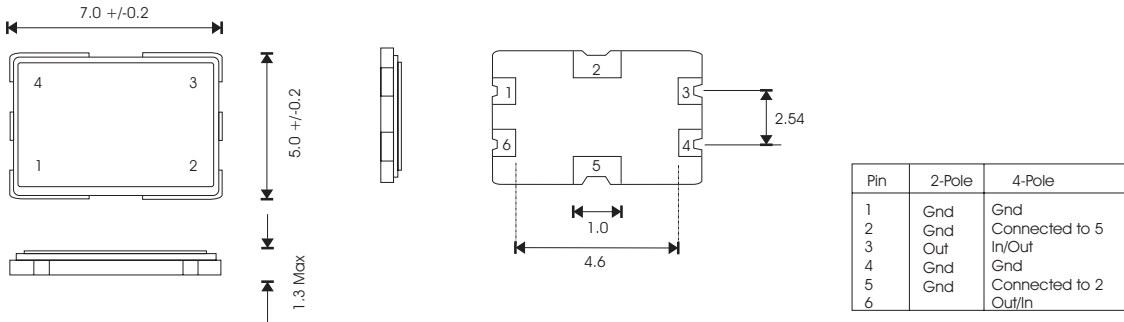


Specify AEL



Surface Mounted Monolithic Crystal Filters 21.4MHz & 45MHz

Quartz Crystal Filters



FEATURES

- Small Size
- Surface Mounted
- Low Insertion Loss
- Single Package 4-Pole

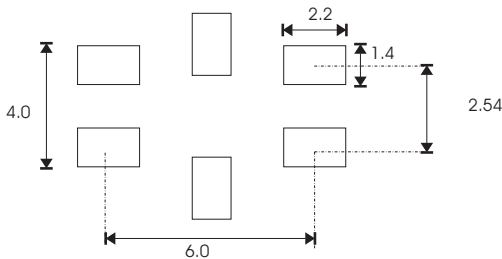
APPLICATIONS

- UHF & VHF Radio
- Wireless Telemetry
- Wireless LAN
- Pagers

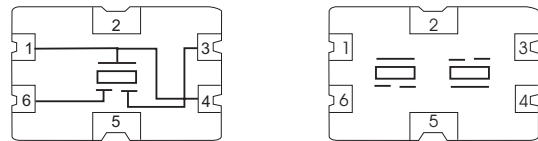
STANDARD SPECIFICATIONS

Model	Centre Frequency (MHz)	No Poles	Passband Width at -3dB (kHz)	Ripple (dB)	Insertion Loss (dB)	StopBand Width		Guaranteed Attenuation		Terminating Impedance (kOhm/pF)	Qty per Filter
						(dB)	(kHz)	(dB)	(F0 +/- kHz)		
21MS7.5A	2140000	2	+/-3.75	1	15	18.0	+/- 18	50	-910 +/- 10	0.85/6.0	1
21MS7.5B		4		1	2.5	35	+/- 14	80	-910 +/- 10	0.85/3.5	2
45MS7.5A	45.000 Fundamental	2	+/-7.5	10	2.0	10.0	+/- 12.5	70	-910 +/- 10	0.20/4	1
21MS6A	2140000	2		1	15	15.0	+/- 45	50	-910 +/- 10	3/0.5	1
21MS6B		4	1	3.0	35.0	+/- 25	70	+200 ~ +1000 -200 ~ -1000	15/1.5	1	
45MS7.5A	45.000 Fundamental	2	+/-7.5	10	4.0	15.0	+/- 25	70	-910 +/- 10%	0.65/3	1
45MS7.5B		4		10	4.0	30.0	+/- 25	90	-200 ~ -1000	0.9/2.0	1
		4		10	4.0	30.0	+/- 25	70	+200 ~ +600		
								20	+600 ~ +1000		

SOLDER PATTERN



INTERNAL CONNECTION



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quartz based frequency control components

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