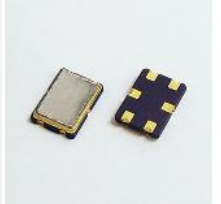


## SMD MONOLITHIC CRYSTAL FILTER

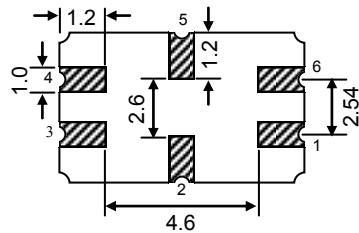
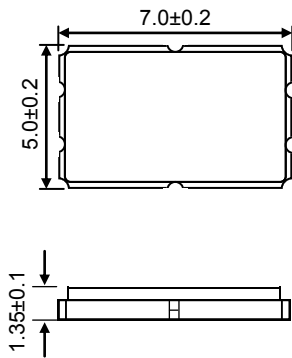
### FEATURES:

- THIN AND LIGHT WEIGHT
- EXCELLENT SHOCK AND VIBRATION RESISTANCE
- SUITABLE FOR AUTOMATIC PICK AND PLACE
- SOLDER REFLOW CAPABLE



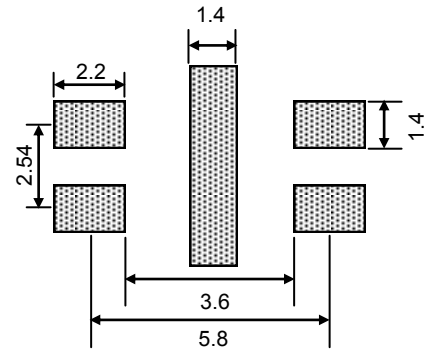
PART NUMBER	NOMINAL FREQUENCY	OSCILLATION MODE	PASS BANDWIDTH		STOP BANDWIDTH		GUARANTEED ATTENUATION		RIPPLE	INSERTION LOSS	TERMINAL IMPEDANCE	OPERATING TEMP. RANGES
	(MHz)		(dB)	(kHz)	(dB)	(kHz)	(dB)	(kHz)				
442MT14B	44.25	FUND	4	±6.80	22	±12.0	70	-910	1	3	430//6.0	-30 to +80
450MT7.5B	45.00	FUND	3	±3.75	30	±12.5	80	-910	1	4	350//6.5	-30 to +80
450MT20B	45.00	FUND	3	±10.0	25	±25.0	80	-910	1	3	500//2.5	-30 to +80
450MT30B	45.00	FUND	3	±15.0	30	±50.0	80	-910	1	3	1000//1.0	-30 to +80
4505MT15B	45.05	FUND	3	±7.50	35	±25.0	80	-910	1	3	650//3.0	-30 to +80
451MT15B	45.10	FUND	3	±7.50	35	±25.0	80	-910	1	3	650//2.2	-30 to +80
453MT7.5B	45.30	FUND	3	±3.75	30	±12.5	80	-910	1	4	350//6.5	-30 to +80
472MT15B	47.25	FUND	3	±7.50	35	±27.0	70	-910	1	3	800//1.7	-30 to +80
499MT11B	49.95	FUND	3	±5.35	40	±20.0	80	-910	1	4	680//3.2	-30 to +80
508MT11B	50.85	FUND	3	±5.50	20	±12.5	80	-910	1	4	600//2.5	-30 to +80
7005MT20B	70.05	3rd	3	±10.0	20	±25.0	70	-910	1	4	2500//1.0	-30 to +80
733MT13B	73.35	3rd	3	±6.50	30	±20.0	70	-910	1	4	1700//0.6	-30 to +80

### PACKAGE DIMENSIONS

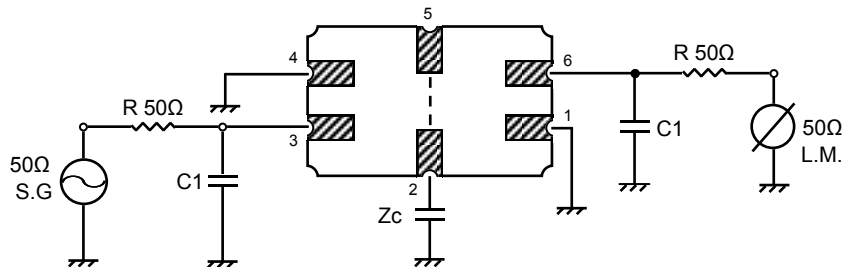


Pad Configuration	
3, 6	In / Out
1, 4	GND
2, 5	Zc

### SOLDER PATTERN



### TEST CIRCUIT



Zc: external coupling capacitor

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