



**2.5X2.0X0.55 mm  
Features**

- Very compact and thin (2.5X2.0X0.55 mm typ.)
- Frequency range of 16M to 60M with Fund
- OA/AV and Bluetooth application
- Excellent heat resistance and shock resistance.
- Products that are lead-free: These can meet the requirements of re-flow profiling using lead-free solder.

Parameter	Symb	Condition	Min	Typ	Max	Units
Frequency Range	Fo	-	16	-	60	MHz
Frequency Tolerance at 25°	$\Delta F / F_0$	-	$\pm 10$	-	$\pm 50$	ppm
Temperature Stability	Tc	REF TO 25°C	$\pm 10$	-	$\pm 50$	ppm
Operating Temperature Range	TOPR	-	-20	-	+70	°C
Storage Temperature Range	TSTG	-	-40	-	+85	°C
Shunt Capacitance	Co	-	-	-	3	pF
Load Capacitance	CL	-	8	-	12	pF
Insulator Resistance	IR	100 VDC	500	-	-	M $\Omega$
Drive Level	DL	-	-	50	100	$\mu W$
Aging (at 25°C)	Fa	AT 25°C, per year	-2.0	-	+2.0	ppm

**Equivalent Series Resistance (ESR) & Mode of Vibration (Mode)**

Frequency Range	Max ESR ( $\Omega$ )	Mode
16.000MHz to 19.999MHz	120	Fundamental
20.000MHz to 29.999MHz	80	Fundamental
30.000MHz to 60.000MHz	50	Fundamental

**Mechanical Dimensions (mm)**

	<p><b>Recommended Solder Pattern</b></p>

To Order:  
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