



6 x 3.5mm SMD, 4 pad and 2 pad

8MHz to 125MHz

FFATURES

- Miniature size: 6.0mm x 3.5mm height
- Tight tolerances available
- High shock and vibration resistance
- Ideal for PDAs, GPS, PCMCIA and hand-held equipment





DESCRIPTION

Miniature surface mount MF crystals incorporate a ceramic substrate and hermetically-sealed metal lid. The combination of compact size and low mass with a high-specification crystal make MF crystals ideal for high density applications as well as hand-held and communications equipment.

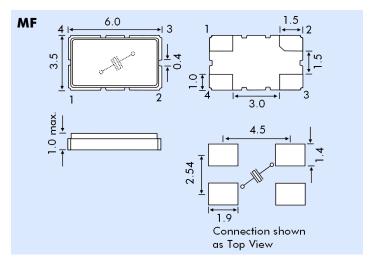
SPECIFICATION

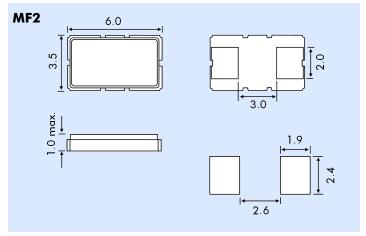
Frequency Range		
AT-Cut Fundamental:	8.0MHz to 50.0MHz	
AT-Cut 3rd Overtone:	30.0MHz to 125.0MHz	
Calibration Tolerance at 25°C*:	from ±5ppm	
	$(\pm 10, \pm 20 \text{ or } \pm 30 \text{ppm standard})$	
Frequency stability		
-10° to +60°C	from ±5ppm	
-20° to +70°C	from ±10ppm	
-40° to +90°C	from ±15ppm	
-55 to +125°C	from ±20ppm	
Storage Temperature:	-55°∼+105°C	
Equivalent Series Resistance:	See table	
Shunt Capacitance (C0):	2pF to 4pF typical, 7pF maximum	
Load Capacitance (CL):	Series or from 8pF to 32pF	
	(Customer specified CL)	
Ageing:	<±3ppm per year at +25°C	
Drive level:	100 μW maximum	
Reflow Soldering:	10s maximum, 260°C twice	
	or 180s at 230°C, once.	
Package:	Ceramic base, metal lid,	
	Hermetic seal	
Packaging:	16mm EIA tape and reel	
	1000 pieces per reel	

EQUIVALENT SERIES RESISTANCE

Frequency Range MHz	Crystal Cut/ Mode	ESR Ohms Max.
10.0 ~ 12.0	AT Fund.	80
12.1 ~ 16.0	AT Fund.	60
16.1 ~ 50.0	AT Fund.	40
30.0 ~ 40.0	AT 3rd OT	100
40.1 ~ 50.0	AT 3rd OT	80
50.1 ~ 125	AT 3rd OT	50

OUTLINE & DIMENSIONS





PART NUMBER GENERATION

