



### Features and Benefits

Typical 6.0x3.5x1.0mm ceramic package  
16mm width tape and reel package for automatic assembly  
Tight tolerance 10ppm available

### Typical Applications

Automotive  
MP3 player, DECT  
WLAN

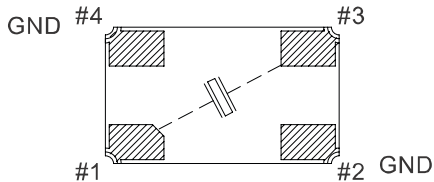
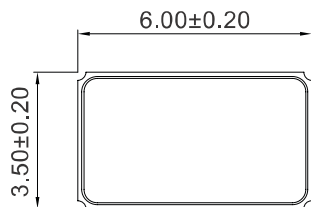
### Description

Xtal6035S\_series offers Tight tolerance and 6.0x3.5x1.0mm ceramic package. This device is suitable for use under various telecom and network communication applications

### Mechanical Drawing & Pin Connections

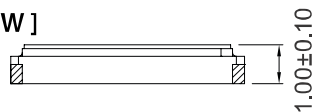
Drawing No: MD18000(-1)

[ TOP VIEW ]

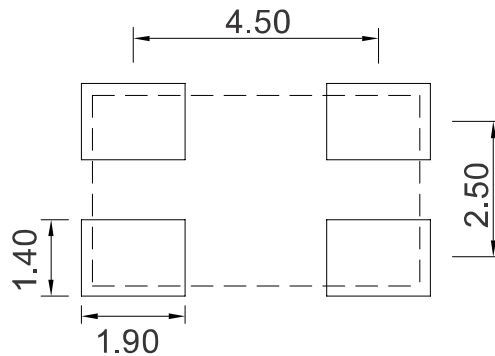
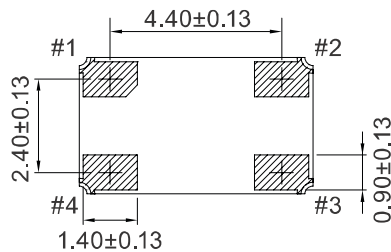


#2 and #4 are connected to the cover (please connect to ground)

[ SIDE VIEW ]



[ BOTTOM VIEW ]





### Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Storage temperature			-55		125	°C	
Level of drive				10	300	uW	
Shunt capacitance	C0				7.0	pF	
Insulation resistance			500Moh m@DC 100V				
Equivalent Series Resistance(ESR)		8 MHz ≤ F <sub>0</sub> < 12 MHz			60	ohm	
		12 MHz ≤ F <sub>0</sub> < 13 MHz			50		
		13 MHz ≤ F <sub>0</sub> < 19 MHz			45		
		19 MHz ≤ F <sub>0</sub> < 20 MHz			40		
		20 MHz ≤ F <sub>0</sub> < 30 MHz			35		
		30 MHz ≤ F <sub>0</sub> ≤ 50 MHz			30		
Aging				±3.0		ppm/year	

### Ordering Options Availability

Frequency Stability [ppm]	Operating Temperature Range [°C]		
	-10 ~ +60	-20 ~ +70	-40 ~ +85
±5	Conditional	Not Available	Not Available
±10	Available	Available	Not Available
±15	Available	Available	Available
±20	Available	Available	Available

Frequency Stability [ppm]	Operating Temperature Range [°C]	
	-40 ~ +105	-40 ~ +125
±15	Conditional	Not Available
±20	Available	Not Available
±30	Available	Conditional
±50	Available	Available

Not all combinations of temperature range and stability are available. Please consult DEI for details.