

■ Features

- ★ Small size
- ★ Stable frequency
- ★ Cold welding package
- ★ Reliable performance

■ Application

- ★ Telecommunication system
- ★ Base station
- ★ Satellite systems



■ Specification (Characteristics)

FREQUENCY CHARACTERISTICS

Parameters	Min	Max	Units	Condition
Frequency range	1.0	240	MHz	
Frequency calibration	0.05(SC)/0.1 (AT)		±ppm	@25°C
Frequency stability over temperature	±5, ±10, ±20, ±50, ±100 ppb (AT cut) ±3, ±5, ±10, ±30, ±50 (SC cut)			
Supply voltage stability	0.001	0.1	±ppm	±5% @25°C
Load sensitivity	0.0005	0.05	±ppm	±10% @25°C
Short term stability	5E ⁻¹⁰ /S		5E ⁻¹¹ /S	
Aging/year	AT Cut	≤±0.5 ppm/year (max)		≤±0.003 ppm/day(max)
	SC Cut	≤±0.05 ppm/year (max)		≤±0.001 ppm/day(max)

POWER SUPPLY

Parameters	Min	Max	Units
Supply voltage		+18.0	±5% V
Current	Start up	250	1000 mA
	Steady	60	300 @25°C

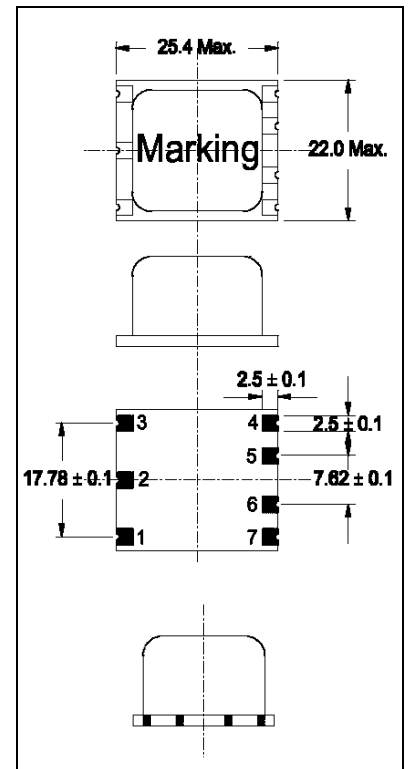
OSCILLATOR OUTPUT

Parameters	Min	Max	Units	Test Condition
Output waveform	S : Sine	C:clipped Sine	M : CMOS	T : TTL
Output load resistance	50Ω		10kΩ//10pF	1kΩ//15pF

■ Part Number and Ordering

Part Number Code	Holder Type + Frequency + Tolerance + Stability VS Temp. + Operating Temp. + PPM/VDC + Input Voltage
Ordering Code	Same as Above
Example	OCXO-S2522-25.0M-0.3-0.1-0/70-15/5-5V

■ Dimension (Unit: mm)



■ Pin Connection

PIN 1	V control (or N/C)
PIN 2	Vref (or N/C)
PIN 3	Supply Voltage
PIN 4	GND
PIN 5	N/C
PIN 6	N/C
PIN 7	Freq output