

SHOULDER SEAM SEALED CERAMIC 2.5x2.0mm Surface Mount Package

FEATURE

- Ultra small SMD seam sealed clock crystal oscillator units.
- For applications in WLAN, Bluetooth and other IT product.
- Tri-state function available.
- RoHS Compliant / Pb Free.



ELECTRICAL SPECIFICATIONS

Frequency Range		1.000MHz ~ 60.000MHz	
Overall Frequency Stability		±25ppm ~ ± 100ppm (Inclusive of Operating Temp, Supply Voltage & Load)	
Operating Temperature		-10°C ~ +60°C to -40°C ~ +85°C	
Storage Temperature		-40°C ~ +85°C / -55°C ~ +125°C	
Supply Voltage		5.0V	3.3V
Input Current Max		15mA	10mA
Output Voltage	V _{OL} (Max) TTL/HCMOS	0.4V _{DC}	0.4V _{DC}
	V _{OH} (Min) TTL/HCMOS	2.4V _{DC} /2.7V _{DC}	2.4V _{DC} /2.7V _{DC}
Symmetry (Duty Cycle)		40/60% Std. / 45/55% Available	
Rise/Fall Time		10ns Max <5ns Typical	
Start Time		10ms Max <5ms Typical	
Aging @25°C 1 st year (Max)		±3ppm, ±5ppm/year	
Output Load		10TTL or 15pF HCMOS	
Tri state Function (Pin 1 has internal pull-up resistor allowing it to be left floating high.)		V _{IH} : 2.2V or Open Enables Output	
		V _{IL} : 0.8V or Disables Output	
Output Enable/ Disable Time		100ns Max	

DIMENSIONS & PACKING & REFLOW CONDITION

PIN	Connection
1	N.C / Tri-State
2	GND
3	Output
4	V _{DD}

