

SHOULDER SEAM SEALED CERAMIC 3.2x2.5mm 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 ~ 150.000MHz	
Overall Frequency Stability		$\pm 25\text{ppm} \sim \pm 100\text{ppm}$ (Inclusive of Operating Temp, Supply Voltage & Load)	
Operating Temperature		$-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$ to $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$	
Storage Temperature		$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ / $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$	
Supply Voltage		5.0V	3.3V
Input Current Max		25mA	20mA
Output Voltage	$V_{OL}(\text{Max})$ TTL/HCMOS	$0.4V_{DC}$	$0.4V_{DC}$
	$V_{OH}(\text{Min})$ 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)		$\pm 3\text{ppm}$, $\pm 5\text{ppm}/\text{year}$	
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 & REFLOW CONDITION

