

Dip type Clipped Sine wave

18.4 x 11.7 x 4.7 mm



RoHS Compliance

Features

- Ultra Small SMD seam sealed Temperature Compensated Crystal Oscillator units.

General Specifications

Parameters		Electrical Spec.							
Input Voltage (V _{DD})		2.8 V ± 5 %							
Frequency Range		10.0 MHz ~ 40.0 MHz							
Output Wave Form		Clipped Sine wave output							
Output Voltage Level (peak to peak)		0.8 V p-p (min.)							
Frequency Stability (ppm)		± 0.5 ppm	± 1.0 ppm	± 1.5 ppm	± 2.0 ppm	± 2.5 ppm	± 3.0 ppm	± 5.0 ppm	
○ : available △ : please contact us X : not available	Frequency Stability vs Temperature	0°C to 50°C	○	○	○	○	○	○	○
		-10°C to 60°C	△	○	○	○	○	○	○
		-20°C to 70°C	X	○	○	○	○	○	○
		-30°C to 75°C	X	○	○	○	○	○	○
		-40°C to 85°C	X	○	○	○	○	○	○
Frequency Stability	vs Aging	±1 ppm / year max. at 25C							
	vs Voltage Change	± 0.2 ppm max. , for a ±5% input voltage change .							
	vs Load Change	± 0.2 ppm max. , for a ±10% load condition change .							
	vs Reflow (SMD type)	± 1.0 ppm max. , 1 reflow and measured 24 hours afterwards .							
Current Consumption (max.)		9.6 ~ 15 MHz	15.01 ~ 26.0 MHz		26.01 ~ 40.0 MHz				
		1.5 mA	2.0 mA		2.5 mA				
Output Load		10 KΩ // 10 pF ± 10%							
Start - Up Time (Ts)		2.0 m sec. (typ.) , 5.0 m sec. (max.)							
Output Format		DC block , AC coupled							
Rise Time (Tr) / Fall Time (Tf)		10 n sec. (max.)							
Output Format		DC block , AC coupled.							
Storage Temperature		- 50°C to 100°C							
Aging		± 3 ppm per year (max.)							
Phase Noise (typical) [10.000 MHz]		Offset	10 Hz	100 Hz	1K Hz	10 KHz	100KHz	1 MHz	10 MHz
		dBc / Hz	-80	-115	-135	-138	-142	-148	-150

General Specifications (Unit : mm)

