

OCC3D

5mm x 7mm Ceramic SMD 6 Pads



Features:

- ° 5mm x 7mm Ceramic SMD 6 Pads
- ° 3.3 Volt
- ° LVDS Output
- ° RoHS Compliant



| Electrical Specification | | |
|---|---|--|
| Frequency Range | | 19.440MHz - 700.000MHz |
| Temperature Stability | | See options below |
| Operating Temperature Range | | See options below |
| Storage Temperature Range | | -55°C to +125°C |
| Supply Voltage (V _{DD}) | ±5% | 3.3V _{DC} |
| Supply Current | 19.440MHz to 160.000MHz 160.001MHz to 700.000MHz | 50mA Maximum 65mA Maximum |
| Output Voltage Logic High (V _{OH}) | | 1.43V _{DC} Typical, 1.6V _{DC} Maximum |
| Output Voltage Logic Low (V _{OL}) | | 1.1V _{DC} Typical, 0.9V _{DC} Minimum |
| Duty Cycle | 50% of waveform | 40% / 60% Max or 45% / 55% Max |
| Load Drive Capability | | 100 Ohms |
| Rise/Fall Time | at 20% to 80% waveform | 1nSec Maximum |
| Output Type | | LVDS |
| Start Up Time | | 10mSeconds Maximum |
| Standby Current | No load | 30µA Maximum |
| RMS Phase Jitter | 12KHZ to 20MHz offset freq | 0.4pSec Typical, 1pSec Maximum |
| Phase Noise | at 156.250MHz | -60dBc/Hz at 10Hz Offset -95dBc/Hz at 100Hz Offset -125dBc/Hz at 1kHz Offset -143dBc/Hz at 10kHz Offset -145dBc/Hz at 100kHz Offset -145dBc/Hz at 1MHz Offset -146dBc/Hz at 10MHz Offset |
| Tristate Function | | V _{IH} = 70% of V _{DD} min to Enable Output V _{IL} = 30% max or grounded to Disable Output (High Impedance) |
| Differential Output (V _{OD}) | | 250mV Minimum, 450mV Maximum |
| Output Offset Voltage (V _{OS}) | | 1.125V Minimum, 1.250V Typical, 1.375V Maximum |
| Differential Output Error (dV _{OS}) | | 50mV Maximum |

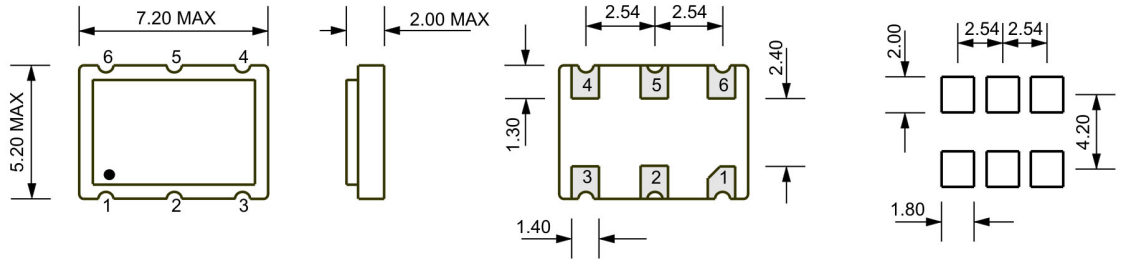
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Mechanical Dimensions

| Pad | FUNCTION |
|-----|-------------------------|
| 1 | Tri-State or No Connect |
| 2 | No Connect or Tri-State |
| 3 | Case Ground |
| 4 | Output |
| 5 | Complimentary Output |
| 6 | Supply Voltage |



MARKING

Line 1: Ascend
 Line 2: XX.XXX (Frequency)
 Line 3: XXXXXX (Date Code)

ALL DIMENSIONS
 IN MILLIMETERS

Part Number Guide

OCC3D C 3 A T - 125.000M-TR

Series

5x7mm 6 pad Ceramic SMD, 3.3V, LVDS

Freq. Toler/Stab.

A = ±100PPM
 B = ±50PPM
 C = ±25PPM

Temperature Range

1 = 0°C to +70°C
 2 = -20°C to +70°C
 3 = -40°C to +85°C

Packaging

TR = Tape and Reel

Frequency

Pin 1 Connection

T = Pin 1 Tristate, Pin 2 No connect
 N = Pin 2 Tristate, Pin 1 No connect

Duty Cycle

A = 40% / 60%
 B = 45% / 55%