

Dielectric Resonator Oscillator Model MDR3001

AFC Voltage Tunable 9.95328 & 10.66700 GHz

Specifications ⁽¹⁾:

Frequency Available:	MDR3001-02: 9953.28 MHz MDR3001-03: 10667.00 MHz
Mechanical Tuning Bandwidth (min.)	±25 MHz
Stability (max.) ⁽²⁾	3 ppm/°C
Pulling, 12 dB RL (typ.)	±100 kHz
Pushing (typ.)	5 kHz/Volt
Harmonics (max.)	-20 dBc
Other Spurious (max.)	-80 dBc
Output Power (25°C)	+11 dBm ±1 dB

Phase Noise (typ.)	
100 kHz Offset, (typ.)	-110 dBc/Hz

Tuning Voltage	+1.5 to +11 VDC
Electronic Tuning	Fo ±7.5 MHz min.
Power Supply Voltage	+10.5 to +15.0 VDC
Power Supply Current	125 mA max
Operating Temperature	-10 to +80 °C
RF Connector	SMA Female
DC Connector	Solder Pin

- Notes:**
 1. Specifications labeled "min." or "max." are guaranteed in a 50 Ohm system over the specified temperature range.
 2. Averaged over the full operating temperature range.

