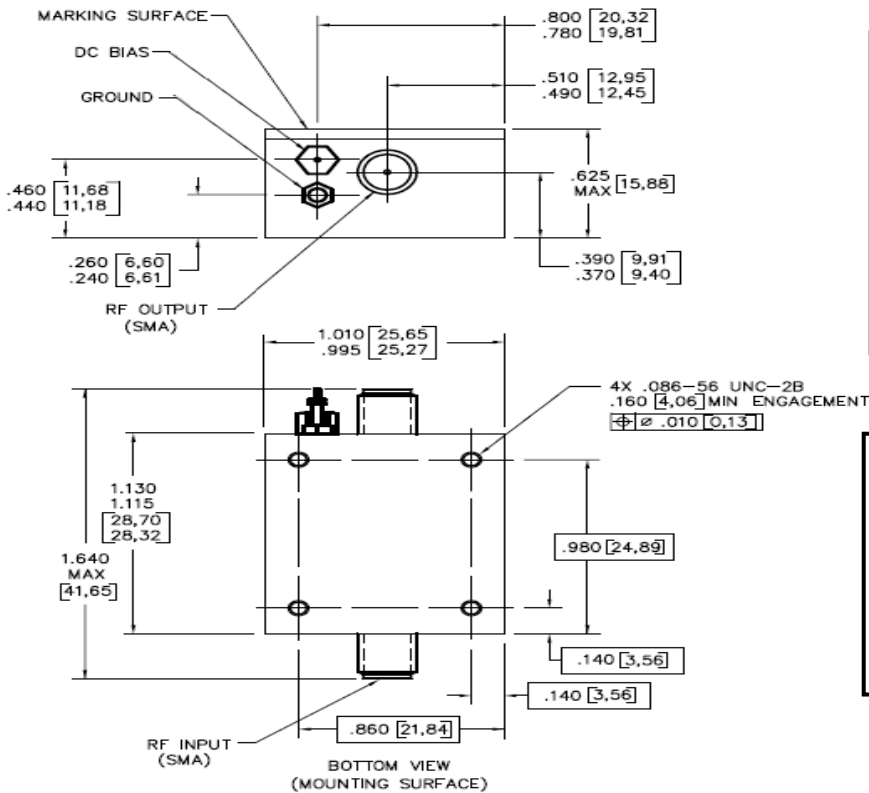


VOLTAGE CONTROL OSCILLATOR

50-100MHz, SMA Female Connectors, 10dBm Output Power, 15 Volts



Tolerance Table Metric (inch)

(unless otherwise stated):

Hole diameter +/- 0.1mm, (+/- 0.004")
 Dimensions (w*h) +/- 0.3 mm, (+/- 0.015")
 Dimensions (Coax Connector position) +/- 0.3mm, (+/- 0.012")
 Dimensions (Microstrip pad, Stripline Tab, Waveguide Slot Position, +/- 0.1mm, (+/- 0.04")
 Dimensions (hole position) +/- 0.1mm, (+/- 0.04")

Machined surfaces

Flatness 0.025/mm, (0.001/ inch)
 Bend radius 0.8mm. (0.031" or 1/32")

Notes: Unless Otherwise Specified

- Material: Housing – Al Alloy 6061-T6
 Cover – Al Alloy 6061-T6
- Finish: Housing – CHEM CVRSN PER MIL-C-5541, CLASS 3
 Cover – CHEM CVRSN PER MIL-C-5541, CLASS 3
 Connectors – Gold Plate

Units: Inch [mm]
 Not to scale

Order Examples: RVCO-50-100M-Sf-10d-15V-s7

Description: (Voltage Controlled Oscillator, 50-100MHz, SMA Female Connectors, 10dBm Output Power, 15 Volts, s7-Model)

Specifications		Units
Frequency	50-100	MHz
Tuning Voltage	0-20	V
Modulation	Bandwidth: 1MHz typ , 0.1MHz min	
	Tuning Sensitivity Ratio: 1.5:1 typ , 3.1 max	
RF Power (Output)	+10	dBm (min)
Phase Noise @ 1 KHz offset	-70	dBc/Hz
Phase Noise @ 10 KHz offset	-90	dBc/Hz
Phase Noise @ 100 KHz offset	-110	dBc/Hz
Phase Noise @ 1MHz offset	-130	dBc/Hz
Harmonics	-10	dBc (max)
Spurious	-60	dBc (max)
Connectors	RF Output/Tuning Voltage: SMA Female	
	Modulation I/P: SMC Male	
	Power Supply: Solder Terminal	
DC Power	+15	V
Operating Temperature	-40 to +70	°C