

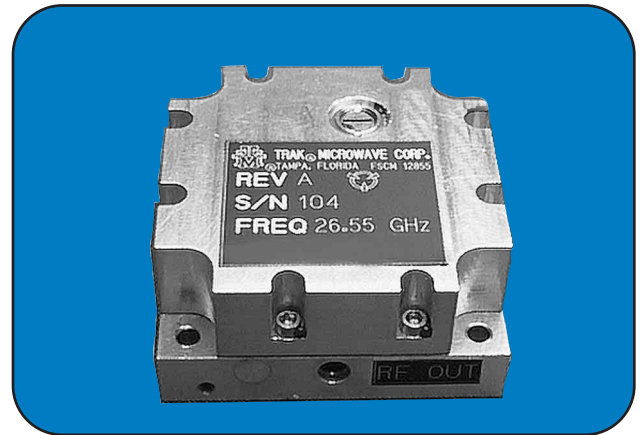
## Oscillators

Voltage Tuned DRO, 26.55 GHz  
Model: OSC040



### Features:

- Low Phase Noise: - 85 dBc/Hz @ 10 kHz offset
- Good Power Flatness: Less than  $\pm 0.5$  dB, typical
- Wide Operating Temperature: - 35 to + 75 °C
- Phase Locking Capability



### Electrical Specifications

Operating Frequency:	26.55 GHz
Output Power:	+ 10 dBm, typical
Tuning Voltage:	+ 1 to 7 V
Tuning Sensitivity:	2 MHz/V, minimum
Tuning Sensitivity Variation:	1.5:1, nominal
Temperature Stability:	$\pm 2$ MHz, typical
Harmonics:	- 15 dBc, typical
Sub-Harmonics:	- 30 dBc, minimum
Spurious:	- 70 dBc, typical
SSB Phase Noise:	
<b>Offset</b>	
10 kHz	- 85, typical
100 kHz	- 110, typical
1 MHz	- 125, maximum
Pushing:	< 0.25 MHz/V, typical
Pulling:	< $\pm 25$ kHz, typical (4:1 VSWR)
DC Power:	+ 12.5 $\pm$ 2.5 V @ 122 mA, nominal
Ripple:	1.2 V peak to peak
Power Consumption:	183 mW, nominal

### Environmental Specifications

Operating Temperature:	- 35 to + 75 °C, baseplate
Environment:	Commercial (Ground)

### Mechanical Specifications

Size: (excluding pins)	1.6 x 1.6 x 0.75 inches
	41 x 41 x 19 mm
Connectors:	Gilbert (Male)
Weight:	2.35 oz (67 g)

Specifications subject to change without notice.