

Engineering Development Model

Voltage Controlled Oscillator

ROS-ED13787/1

Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.

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CASE STYLE : CK605

| ELECTRICAL SPECIFICATIONS 50Ω | | | | |
|------------------------------------|--------------------|---------|------|--------|
| Parameter | Min. | Typ. | Max. | Units |
| Frequency | 2370 | | 2600 | MHz |
| Tuning Voltage | .5 | | 5 | V |
| Power Output | | 4 | | dBm |
| Phase Noise | at 1 kHz offset | -71 | | dBc/Hz |
| | at 10 KHz offset | -96 | | dBc/Hz |
| | at 100 KHz offset | -117 | | dBc/Hz |
| | at 1000 kHz offset | -137 | | dBc/Hz |
| Pulling at 12 dBm PK-PK all phases | | 6 | | MHz |
| Pushing at Vcc ± 5% | | 1 | | MHz/V |
| Tuning Sensitivity | | 90-110 | | MHz/V |
| Harmonic Suppression | | -20 | | dBc |
| 3 dB Modulation Bandwidth | | 460,000 | | kHz |
| Supply Voltage | | 5 | | V |
| Supply Current | | | 30 | mA |

| MAXIMUM RATINGS | |
|---------------------------------|----------------|
| Operating Temperature | -55°C to 85°C |
| Storage Temperature | -55°C to 100°C |
| Absolute Supply Voltage (Vcc) | +6V |
| Absolute Tuning Voltage (Vtune) | +6V |

| PIN CONNECTIONS | |
|-----------------|--------------------------------|
| RF OUT | 10 |
| VCC | 14 |
| V-TUNE | 2 |
| GROUND | 1,3,4,5,6,7,8,9,11,12,13,15,16 |



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IF/RF MICROWAVE COMPONENTS



REV. X1
ROS-ED13787/1
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Page 1 of 1