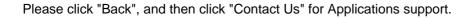
Engineering Development Model

Voltage Controlled Oscillator

ROS-EDR6111/1

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.





CASE STYLE: CK605

| ELECTRICAL SPECIFICATIONS 50Ω | | | | |
|------------------------------------|------|---------|------|--------|
| Parameter | Min. | Тур. | Max. | Units |
| Frequency | 365 | | 405 | MHz |
| Tuning Voltage | 0.5 | | 5 | V |
| Power Output | | +0.5 | | dBm |
| Phase Noise | | | | |
| at 1 kHz offset | | -90 | | dBc/Hz |
| at 10 KHz offset | | -113 | | dBc/Hz |
| at 100 KHz offset | | -133 | | dBc/Hz |
| at 1000 kHz offset | | -153 | | dBc/Hz |
| Pulling at 12 dBr PK-PK all phases | | 0.5 | | MHz |
| Pushing at Vcc=5V±0.25V | | 0.5 | | MHz/V |
| Tuning Sensitivity | | 13 - 20 | | MHz/V |
| Harmonic Suppression | | -24 | -16 | dBc |
| 3 dB Modulation Bandwidth | | 10500 | | kHz |
| Supply Voltage | | 5 | | V |
| Supply Current | | | 20 | mA |

| MAXIMUM RATINGS | | |
|---------------------------------|----------------|--|
| Operating Temperature | -55°C to 85°C | |
| Storage Temperature | -55°C to 100°C | |
| Absolute Supply Voltage (Vcc) | +7V | |
| Absolute Tuning Voltage (Vtune) | +7V | |

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