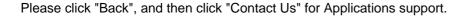
Engineering Development Model

Voltage Controlled Oscillator

ROS-ED8130A/3

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 | 1714 | | 1883 | MHz | |
| Tuning Voltage | 0.5 | | 6 | V | |
| Power Output | | +3 | | dBm | |
| Phase Noise | | | | | |
| at 1 kHz offset | | -77 | | dBc/Hz | |
| at 10 KHz offset | | -104 | | dBc/Hz | |
| at 100 KHz offset | | -124 | | dBc/Hz | |
| at 1000 kHz offset | | -144 | | dBc/Hz | |
| Pulling at 12 dBr PK-PK all phases | | 1.4 | | MHz | |
| Pushing at Vcc=5V±0.25V | | 1 | | MHz/V | |
| Tuning Sensitivity | | 10 - 50 | | MHz/V | |
| Harmonic Suppression | | -30 | | dBc | |
| 3 dB Modulation Bandwidth | | 2000 | | kHz | |
| Supply Voltage | | 10 | | 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) | +12V | | |
| Absolute Tuning Voltage (Vtune) | +8V | | |

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