

# Jersey Microwave

## Phase-Locked Dielectric Resonator Oscillator

### Features

- ✓ Small Size
- ✓ Low Cost
- ✓ High Reliability
- ✓ Low Phase Noise

### Options

- Alternate external reference frequencies
- Output Power to specific requirements



### Electrical Specifications

Model Type	PLDRO-XXXX-XXXX
Output Frequency	3 – 32 GHz
Output Power	14 dBm (3 – 18 GHz) 10 dBm (>18 – 32 GHz)
Power Stability over Temperature	± 2 dB
Harmonics	-20 dBc Max.
Spurious Fo +/- 250 MHz	-80 dBc Max.
Load VSWR	1.5:1 Max.
Reference Frequency	5, 10, 50 or 100 MHz (custom available)
Reference Input Level	0 dBm ± 5 dB Max.
SSB Phase Noise	Consult factory for phase noise plot of particular frequency requirement.
Fault Alarm: TTL	H: Locked / L: Unlocked
Power Requirement: +12VDC ± 3%	280 mA for 50 MHz/100 MHz External Ref. 500 mA for 5 or 10 MHz External Ref.
Operating Temperature	-30° C to +70° C
Connectors Output/Reference DC In / Alarm / ΦV	SMA – Female (>20 GHz 2.92 mm) RFI Feedthrough
Package Size (L x W x H) Max.	Dependant upon options and reference selection, consult factory for Outline drawing

**Jersey Microwave components can be tailored to meet your company's specific needs.**

Note: Specifications are subject to change without notice

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