



EXTERNAL PHASE-LOCKED DIELECTRIC RESONATOR OSCILLATORS - EPLDRO Series

FEATURES

- Low Phase Noise, Wide Frequency Range 1GHz to 18GHz
- Excellent Vibration Resistance and Shock Resistance
- Storage Temperature Range: -55 to 90°C
- Compact Size, Low Cost, Customized Design Available

SPECIFICATIONS

Parameter (Unit)	PDRO0102	PDRO0204	PDRO0408	PDRO0811	PDRO1113	PDRO1315	PDRO1518
Frequency (GHz)	1 - 2	2 - 4	4 - 8	8 - 11	11 - 13	13 - 15	15 - 18
Power (dBm)	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12	9 - 12	8 - 11
Phase Noise (1Hz BW) < 100KHz (REF+dB) @ 100KHz (dBc/Hz) @ 1MHz (dBc/Hz)	20*log(N)+3 -120 -140	20*log(N)+3 -120 -140	20*log(N)+3 -115 -135	20*log(N)+3 -115 -135	20*log(N)+3 -115 -135	20*log(N)+3 -110 -130	20*log(N)+3 -110 -130
Power stability (dB)	±1	±1	±1	±1	±1	±1	±1
Reference clock (MHz)	50 - 500	50 - 500	50 - 500	50 - 500	50 - 500	50 - 500	50 - 500
Reference power (dBm)	-3 to 13	-3 to 13	-3 to 13	-3 to 13	-3 to 13	-3 to 13	-3 to 13
VSWR	1.5 : 1	1.5 : 1	1.5 : 1	1.5 : 1	1.5 : 1	1.5 : 1	1.5 : 1
Harmonics (dBc)	-25	-25	-25	-25	-25	-25	-25
Spurious (dBc)	-75	-75	-75	-75	-75	-75	-75
Lock alarm	TTL high	TTL high	TTL high	TTL high	TTL high	TTL high	TTL high
Supply voltage (V)	5, 12 - 15	5, 12 - 15	5, 12 - 15	5, 12 - 15	5, 12 - 15	5, 12 - 15	5, 12 - 15
Supply current (mA) Max	250	250	250	250	250	250	250
Operation Temp. range (°C)	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85
Case Style	D4	D4	D4	D4	D4	D4	D4

Typical Part Number EPLDRO - Frequency Range - Case Style -Other - Norminal Frequency (MHz)

P/N Example EPLDRO0811-D4-9500MHZ: Model PDRO0811, D4 package, 9500MHz

OUTLINE DRAWING

