



**PHASE LOCKED
OSCILLATORS**

SPLOxxxx

(MODEL)

- ⊗ **LOW COST**
- ⊗ **LOW NOISE**
- ⊗ **LOW POWER CONSUMPTION**
- ⊗ **CUSTOM OPTIONS AVAILABLE ON REQUEST**

Package Style: - standard PLO (2.25"x 2.25"x 0.62")
- custom (user defined)

DESCRIPTION

The Spinnaker Microwave series of Phase Locked Oscillators cover a frequency range of 1 to 20 GHz (fixed frequency output) and feature integrated synthesizers and/or Step Recovery Diodes. They exhibit excellent phase noise performance, low power consumption and small package sizes.

SPECIFICATIONS - Custom tuning options available, please inquire for details

		UNITS	VALUE		
			LOWER (MIN)	UPPER (MAX)	
OUTPUT FREQUENCY		GHz	1.0	20.0	Fixed Frequency Output
FREQUENCY STEP SIZE		MHz	N/A		
OUTPUT POWER		dBm	10	15	
HARMONICS		dBc	25		at 4000 MHz
SPURIOUS PRODUCTS		dBc	60		
PHASE NOISE:	1 kHz	dBc/Hz			
	10 kHz	dBc/Hz		-95	
	100 kHz	dBc/Hz		-115	
	1 MHz	dBc/Hz			
EXT REFERENCE		MHz	1	100	
REFERENCE POWER		dBm	-3	0	
PROGRAMMING			N/A		
LOCK DETECT		TTL	LOW		
OSC BIAS		VOLTS		12	
		mA		200	
OPERATING TEMP RANGE		Deg C	-20	75	

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