



FREQUENCY SYNTHESIZERS

SNY319

(MODEL)

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

Package Style: - standard (4.0"x 4.5"x 1.0")
- custom (user defined)

DESCRIPTION

Spinnaker Microwave has developed a Multi-Octave, Single Loop Synthesizer for ultra broadband applications. It features a programmable loop filter used to correct for VCO tuning sensitivity in increments down to 200 MHz. This synthesizer offers excellent spurious and harmonic characteristics, high G-force immunity, and hermetically sealed housings.

SPECIFICATIONS - Custom tuning options available, please inquire for details

	UNITS	VALUE	
		LOWER (MIN)	UPPER (MAX)
OUTPUT FREQUENCY	GHz	3.0	19
FREQUENCY STEP SIZE	MHz	10	
OUTPUT POWER	dBm	0	10
HARMONICS	dBc	18	
SPURIOUS PRODUCTS	dBc	60	
PHASE NOISE: 1 kHz	dBc/Hz		-55
10 kHz	dBc/Hz		-55
100 kHz	dBc/Hz		-70
1 MHz	dBc/Hz		
EXT REFERENCE	MHz	10	
REFERENCE POWER	dBm	-3	3
PROGRAMMING		Parallel (13-bit)	
LOCK DETECT	TTL	HIGH	
OSC BIAS	VOLTS		5, 15
	mA		270, 350
OPERATING TEMP RANGE	Deg C	-20	75

SPINNAKER MICROWAVE / www.spinnakermicrowave.com

3281 KIFER ROAD

SANTA CLARA, CA 95051

TEL: 408-732-9828 FAX: 408-732-9793