

Plug-In

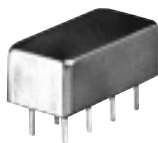
Voltage Controlled Oscillator



Linear Tuning

1370 to 2000 MHz

POS-2000A



CASE STYLE: A06

Features

- wide frequency range
- linear tuning characteristics
- low phase noise, -137dBc/Hz @1MHz offset

Applications

- wideband frequency synthesizer
- PLL circuitry
- measurement instrumentation

Electrical Specifications

FREQ. MHz	POWER OUTPUT dBm	TUNING VOLTAGE		PHASE NOISE dBc/Hz SSB at offset frequencies: Typ.				PULLING pk-pk @ 12 dB MHz Typ.	PUSHING MHz/V Typ.	TUNING SENSI- TIVITY MHz/V Typ.	HARMONICS* dBc		3 dB MODULATION BANDWIDTH kHz Typ.	POWER SUPPLY		PRICE \$ Qty. (5-49)
		Min.	Max.	1 kHz	10 kHz	100 kHz	1 MHz				Typ.	Max.		Voltage (V)	Current (mA) Max.	
1370 2000	11.6	1	20	-73	-97	-117	-137	12	3	30-45	-24	-12	4000	8	30	14.95

* specified to 4th harmonic

Maximum Ratings

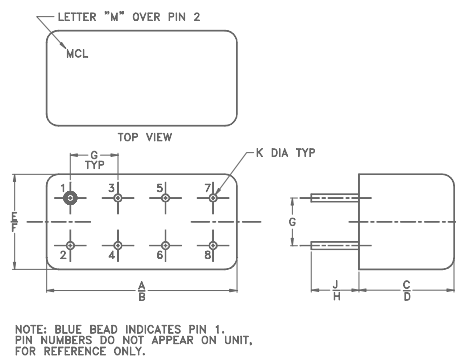
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Max. Supply Voltage (Vcc)	+10V
Absolute Max. Tuning Voltage (Vtune)	+25V

All specifications: 50 ohm system

Pin Connections

PORT	
RF OUT	2
V-CC	1
V-TUNE	8
GND EXT.	3,4,5,6,7

Outline drawing



Outline dimensions (inch/mm)

A	B	C	D	E	F	G	H	J	K	wt.
.770	.800	.285	.310	.370	.400	.200	.20	.14	.031	grams
19.56	20.32	7.24	7.87	9.40	10.16	5.08	5.08	3.56	.79	5.2



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