

Surface Mount

Voltage Controlled Oscillators



1450 to 1900 MHz

ROS-1900



CASE STYLE: CK605

Features

- wide frequency range, 1450-1900 MHz
- low phase noise, -106 dBc/Hz at 10 kHz offset
- wide modulation bandwidth, 100 MHz typ.

Applications

- instrumentation
- PCN

Electrical Specifications

FREQ. MHz	POWER OUTPUT dBm	TUNING VOLTAGE		PHASE NOISE dBc/Hz SSB at offset frequencies: Typ.				PULLING pk-pk @ 12 dB MHz	PUSHING MHz/V	TUNING SENSI- TIVITY MHz/V	HARMONICS* dBc		3 dB MODULATION BANDWIDTH kHz Typ.	POWER SUPPLY		PRICE \$
		Min.	Max.	1 kHz	10 kHz	100 kHz	1 MHz				Typ.	Max.		Voltage (V)	Current (mA) Max.	
1450 1900	7	0.5	20	-80	-106	-126	-146	7	0.7	22-34	-15	-7	100000	10	25	17.95

* specified to 4th harmonic

Maximum Ratings

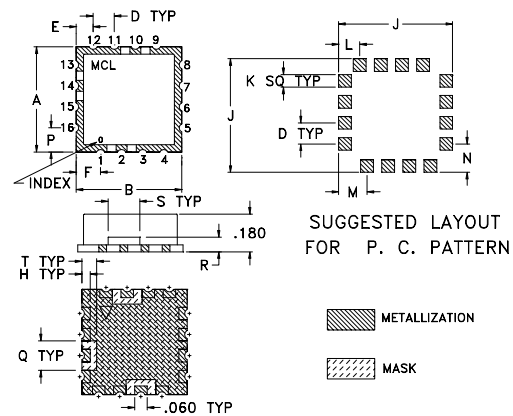
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Max. Supply Voltage (Vcc)	+11V
Absolute Max. Tuning Voltage (Vtune)	+22V

All specifications: 50 ohm system

Pin Connections

PORT	
RF OUT	10
V-CC	14
V-TUNE	2
GND EXT.	others

Outline drawing



Outline dimensions (inch/mm)

A	B	C	D	E	F	G	H	J	WT GRAMS									
.500 (12.70)	.500 (12.70)	.180 (4.57)	.100 (2.54)	.080 (2.03)	.115 (2.92)	.060 (1.52)	.040 (1.02)	.540 (13.72)										
									K	L	M	N	P	Q	R	S	T	
									.060 (1.52)	.100 (2.54)	.135 (3.45)	.135 (3.45)	.115 (2.92)	.140 (3.56)	.070 (1.78)	.150 (3.81)	.070 (1.78)	1



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M77162
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ROS-1900
MM/TD/CP
010606

ISO 9001 CERTIFIED