

Surface Mount

Voltage Controlled Oscillators



Linear Tuning 1600 to 2500 MHz

ROS-2500



CASE STYLE: CK605

Features

- wide bandwidth
- industry standard package

Applications

- PCS

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)	POWER SUPPLY		PRICE \$
		Min.	Max.	1 kHz	10 kHz	100 kHz	1 MHz				Typ.	Max.		Voltage (V)	Current (mA) Max.	
1600 2500	6.5	0.5	14	-66	-90	-113	-133	18	5	30-180	-14	-8	6000	12	25	21.95

* specified to 4th harmonic

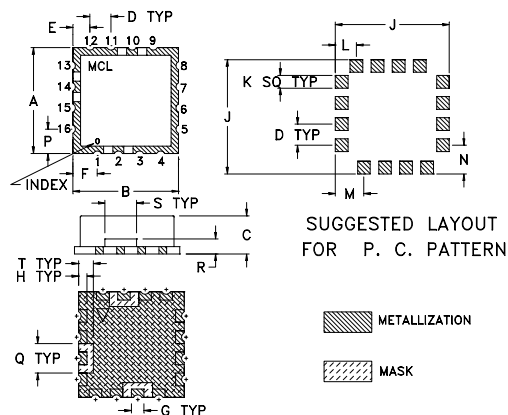
Maximum Ratings

Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Max. Supply Voltage (Vcc)	+15 V
Absolute Max. Tuning Voltage (Vtune)	+16V
All specifications: 50 ohm system	

Pin Connections

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

Outline drawing



Outline dimensions (inch/mm)

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

REV. OR
M70000
ED-7473B/3
ROS-2500
SK/ID/CP
000113



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