

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) 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.		
1600	2500	6.5	0.5	14	-66	-90	-113	-133	18	5	30-180	-14	-8	6000	12	25	21.95

\* specified to 4<sup>th</sup> harmonic

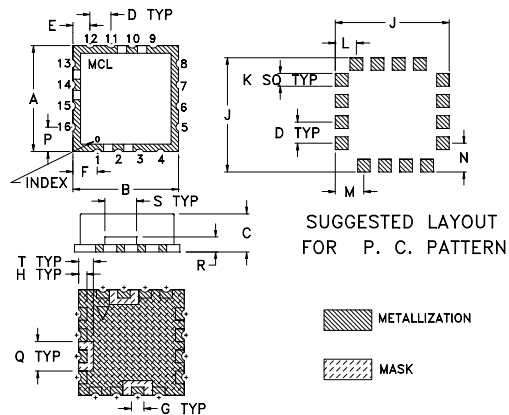
## Maximum Ratings

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



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661  
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M70000  
ED-7473B/3  
ROS-2500  
SK/TD/CP  
000113