

Surface Mount

Voltage Controlled Oscillators



Linear Tuning 900 to 1000 MHz

ROS-1000V



CASE STYLE: CK605

Features

- low phase noise, -102 dBc/Hz at 10 KHz offset
- low sensitivity, 12-16 MHz/V typ.

Applications

- radio

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.	Typ.	Min.	Max.	1 kHz	10 kHz	100 kHz	1 MHz	Typ.	Typ.	Typ.	Typ.	Max.	Typ.	Voltage (V)	Current (mA) Max.	Qty. (5-49)
900-1000		0	0.5	12	-74	-102	-122	-140	1.0	0.4	12-16	-30	-20	8000	5	25	15.95

* specified to 4th harmonic

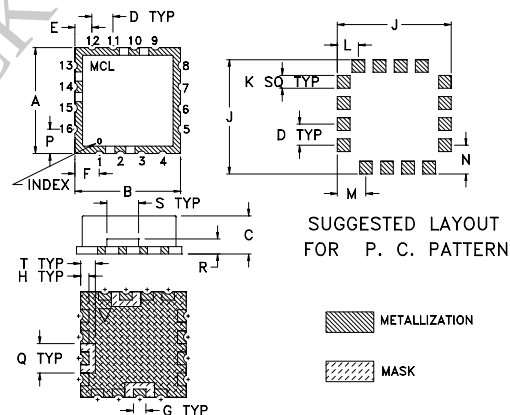
Maximum Ratings

Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Max. Supply Voltage (Vcc)	+6 V
Absolute Max. Tuning Voltage (Vtune)	+15V
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	
.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	WT GRAMS
.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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M70298
ED-8330/2
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AF/ID/CP
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