

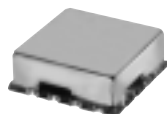
Surface Mount

Voltage Controlled Oscillator



ROS-810LN

760 to 810 MHz



CASE STYLE: CK605

Features

- very low phase noise, -115 dBc/Hz at 10 KHz offset
- good linearity, 8-10 MHz/V

Applications

- cellular local oscillator
- trunking 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)	POWER SUPPLY		PRICE \$
		Min.	Max.	1 kHz	10 kHz	100 kHz	1 MHz				Typ.	Typ.		Typ.	Max.	
760-810	5	0.5	10	-90	-115	-135	-155	1.8	0.5	8-10	-24	-18	6000	8	20	49.95

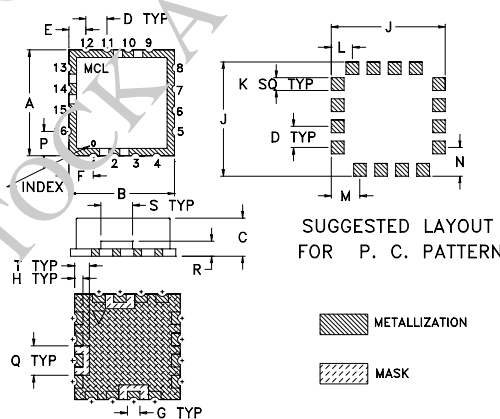
* specified to 4th harmonic

Maximum Ratings

Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Max. Supply Voltage (Vcc)	+9V
Absolute Max. Tuning Voltage (Vtune)	+12V

All specifications: 50 ohm system

Outline drawing



Pin Connections

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

EVALUATION BOARD P/N: TB-10

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

REV. OR
M72650
ED-8469A/1
ROS-810LN
WD/TD/CP
000627



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