

Surface Mount

Voltage Controlled Oscillator



Linear Tuning 400 to 850 MHz

JTOS-850VW



CASE STYLE: BK377

Features

- excellent tuning linearity
- octave bandwidth

Applications

- cellular
- UHF

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.	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)
400	850	8	0.5	18	-74	-96	-116	-136	6	1.5	15-80	-20	—	185	5	20	18.95

* 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)	+6V
Absolute Max. Tuning Voltage (Vtune)	+20V

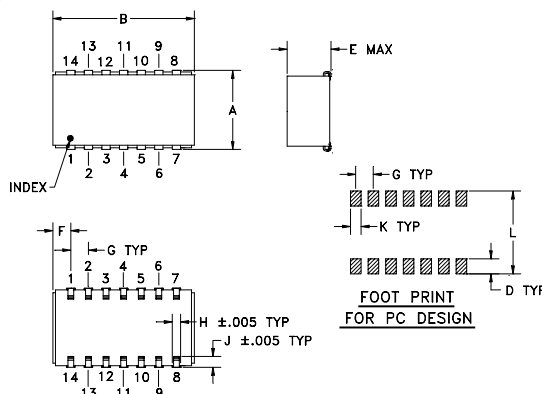
All specifications: 50 ohm system

EVALUATION BOARD P/N: TB-04

Pin Connections

PORT	
RF OUT	13
V-CC	2
V-TUNE	5
GND EXT.	others

Outline drawing



Outline dimensions (inch/mm)

A	B	C	D	E	F	G
.505	.789	—	.100	.250	.095	.100
12.83	20.04	—	2.54	6.35	2.41	2.54
H	J	K	L	wt.		
.047	.065	.065	.525	grams		
1.19	1.65	1.65	13.34	3.0		

REV. OR
M73819
ED-8643/1
JTOS-850VW
SK/TD/CP
000926



INTERNET <http://www.minicircuits.com>

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661
Distribution Centers/ NORTH AMERICA 800-654-7949 • 417-335-5935 • Fax 417-335-5945 • EUROPE 44-1252-832600 • Fax 44-1252-837010

ISO 9001 CERTIFIED