

Surface Mount

Voltage Controlled Oscillator



Linear Tuning

2050 to 2700 MHz

JTOS-2700V



CASE STYLE: BK377

Features

- wide bandwidth, 2050-2700 MHz
- low phase noise, -134 dBc/Hz at 1 MHz offset
- flat tuning sensitivity, 46-56 MHz/V typ.

Applications

- satellite systems
- instrumentation
- ISM

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*		3 dB MODULATION BANDWIDTH kHz Typ.	POWER SUPPLY		PRICE \$
		Min.	Max.	1 kHz	10 kHz	100 kHz	1 MHz				Typ.	Max.		Voltage (V)	Current (mA) Max.	
2050 2700	8			-72	-94	-114	-134	5	1.0	46-56	-25	-10	8000	5	20	21.95

* specified to 4th harmonic

Maximum Ratings

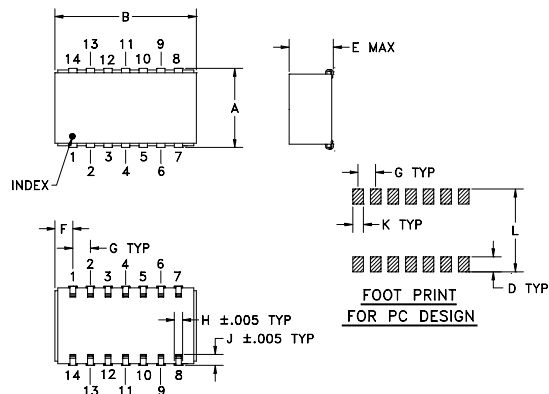
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Max. Supply Voltage (Vcc)	+6V
Absolute Max. Tuning Voltage (Vtune)	+20V

All specifications: 50 ohm system

Pin Connections

PORT	
RF OUT	13
V-CC	2
V-TUNE	5
GND EXT.	all 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
M74128
ED-8326/3
JTOS-2700V
SK/TD/CP
001024



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