

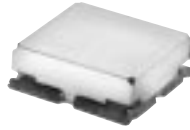
Surface Mount, Miniature

# Voltage Controlled Oscillator

Linear Tuning 1766 to 1826 MHz

**NEW!**

**MOS-1826PV**



CASE STYLE: CZ682

## Features

- small package, .375X.375 inch
- wide modulation bandwidth, 10,000 kHz typ.

## Applications

- DCS/GSM

## 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 SENSITIVITY (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)
1766	1826	2	0.5	5	-75	-101	-122	-142	8	1.0	21-35	-28	-15	10,000	5	25	19.95

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

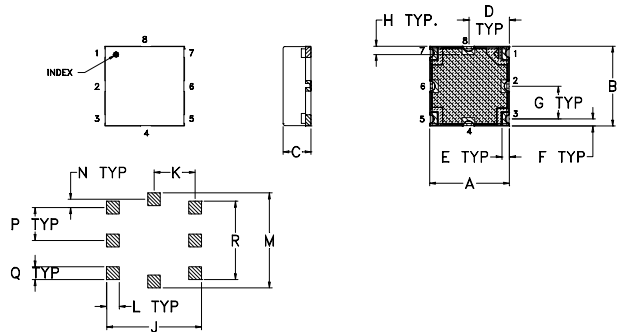
## Maximum Ratings

Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Max. Supply Voltage (Vcc)	+6V
Absolute Max. Tuning Voltage (Vtune)	+6V
All specifications: 50 ohm system	

## Pin Connections

PORT	
RF OUT	5
V-CC	3
V-TUNE	1
GND EXT.	all others

## Outline Drawing



SUGGESTED LAYOUT FOR P.C. PATTERN

## Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J
.375	.375	.131	.188	.035	.033	.154	.040	.446
9.52	9.52	3.33	4.78	0.89	0.84	3.91	1.02	11.33
K	L	M	N	P	Q	R		wt.
.193	.060	.446	.039	.154	.060	.368		grams
4.90	1.52	11.33	0.99	3.91	1.52	9.35		.60

REV. A  
M78157  
EDR-5265/2  
MOS-1826PV  
RVN/TD/CP  
010829



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

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

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661