

Coaxial Voltage Controlled Oscillator

ZOS-100+ ZOS-100

Dual Output 50 to 100 MHz

Features

- octave bandwidth
- linear tuning, 4.5 MHz/V typ.
- excellent harmonic suppression, -29 dBc typ.
- rugged shielded case
- protected by US Patent, 6,943,629

Applications

- auxiliary output freq. monitoring
- load insensitive source



CASE STYLE: BR386

Connectors	Model	Price	Qty.
SMA	ZOS-100(+)	\$119.95	(1-9)

**+ RoHS compliant in accordance
with EU Directive (2002/95/EC)**

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Electrical Specifications

FREQUENCY (MHz)		POWER OUTPUT (dBm) Typ.		TUNING VOLTAGE (V)		PHASE NOISE (dBc/Hz) SSB at offset frequencies: Typ.			PULLING (MHz) pk-pk (open/short)	PUSHING (MHz/V)	TUNING SENSITIVITY (MHz/V)	HARMONICS (dBc)		3 dB MODULATION BANDWIDTH (MHz)	DC OPERATING POWER	
Min.	Max.	Main	Aux.	Min.	Max.	10 kHz	100 kHz	1 MHz	Typ.	Typ.	Typ.	Typ.	Max.	Typ.	V _{cc} (volts)	Current (mA) Max.
50	100	+9	-12	1	16	-111	-131	-143	0.026	0.25	4.5	-29	-20	0.1	12	140

Maximum Ratings

Operating Temperature -55°C to 85°C

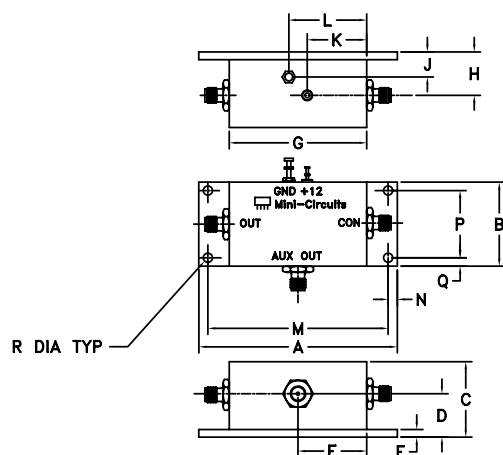
Storage Temperature -55°C to 100°C

Absolute Max. Supply Voltage (V_{cc}) +16V

Absolute Max. Tuning Voltage (V_{tune}) +18V

all specifications: 50 ohm system

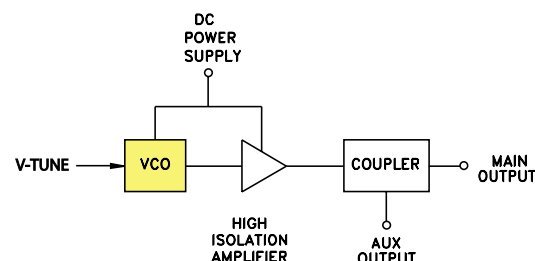
Outline Drawing



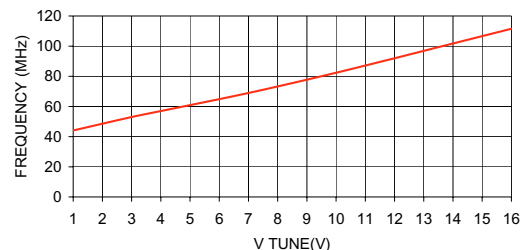
Outline Dimensions (inch)

A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	wt
3.25	1.38	1.25	.71	1.13	.125	2.25	.71	.41	.98	1.28	2.950	.15	1.100	.14	.150	grams
82.55	35.05	31.75	18.03	28.70	3.18	57.15	18.03	10.41	24.89	32.51	74.93	3.81	27.94	3.56	3.81	180

electrical schematic



ZOS-100
FREQUENCY vs. TUNING VOLTAGE



Mini-Circuits®
ISO 9001 ISO 14001 CERTIFIED

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

RF/IF MICROWAVE COMPONENTS

ALL NEW
minicircuits.com

REV. A
M110171
ZOS-100
SK/TD/CP
070312