Coaxial

Voltage Controlled Oscillator

ZOS-150+

Dual Output 75 to 150 MHz

CASE STYLE: BR386

Connectors	Model	Price	Qty.
SMA	ZOS-150+	$119.95	(1-9)

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

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Features

- octave bandwidth
- linear tuning, 5.8 MHz/V typ.
- excellent harmonic suppression, -23 dBc typ.
- rugged shielded case
- protected by US Patent, 6,943,629

Applications

- auxiliary output freq. monitoring
- load insensitive source

Electrical Specifications

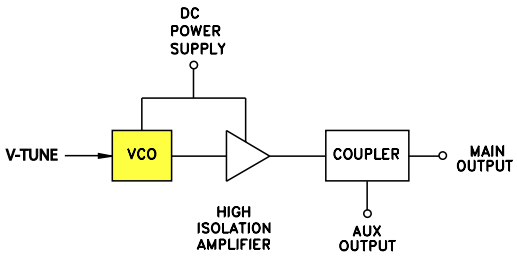
FREQUENCY (MHz)		POWER OUTPUT (dBm) Typ.		TUNING VOLTAGE (V)		PHASE NOISE (dBc/Hz) SSB at offset frequencies: Typ.			PULLING (MHz) pk-pk (open/short)	PUSHING (MHz/V)	TUNING SENSITIVITY (MHz/V)	HARMONICS (dBc)		3 dB MODULATION BANDWIDTH (MHz)	DC OPERATING POWER	
Min.	Max.	Main	Aux.	Min.	Max.	10 kHz	100 kHz	1 MHz	Typ.	Typ.	Typ.	Typ.	Max.	Typ.	Vcc (volts)	Current (mA) Max.
75	150	+9	-12	1	16	-107	-127	-142	0.017	0.39	5.8	-23	-17	0.1	12	140

Maximum Ratings

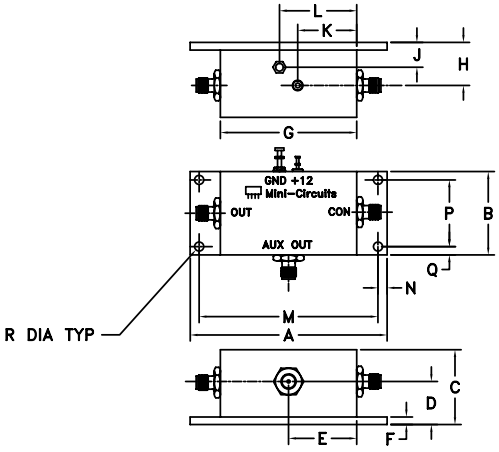
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Max. Supply Voltage (Vcc)	+16V
Absolute Max. Tuning Voltage (Vtune)	+18V

all specifications: 50 ohm system
Permanent damage may occur if any of these limits are exceeded.

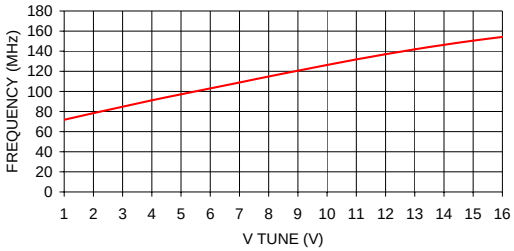
electrical schematic



Outline Drawing



ZOS-150+
FREQUENCY vs.TUNING VOLTAGE



Outline Dimensions (inch / mm)

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

REV. B
M121747
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SK/TD/CP/AM
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