

Coaxial

Voltage Controlled Oscillator

ZOS-150

Dual Output 75 to 150 MHz

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



CASE STYLE: BR386

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

Electrical Specifications

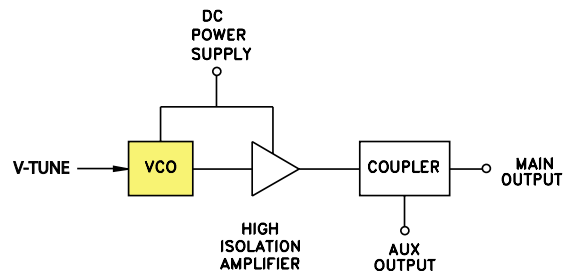
MODEL NO.	FREQ. (MHz)		POWER OUTPUT (dBm) Typ.		TUNE VOLTAGE (V)		PHASE NOISE (dBc/Hz) SSB at offset frequencies: Typ.			PULLING (MHz) pk-pk (open/short)	PUSHING (MHz/V)	TUNING SENSITIVITY (MHz/V)	HARMONICS (dBc)		3 dB MODULATION BANDWIDTH (MHz)	DC OPERATING POWER	
	Min.	Max.	Main	Aux.	Min.	Max.	10 kHz	100 kHz	1 MHz				Typ.	Max.		Vcc (Volts)	Current (mA) Max.
ZOS-150	75	150	+9	-12	1	16	-107	-127	-142	0.017	0.39	5.8	-23	-17	0.1	12	140

Maximum Ratings

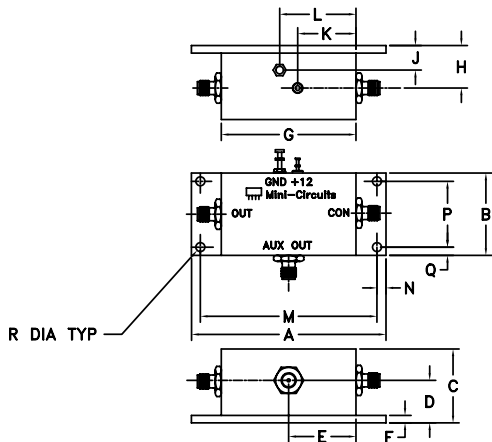
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Max. Supply Voltage (Vcc)	+16V
Absolute Max. Tuning Voltage (Vtune)	+18V

all specifications: 50 ohm system

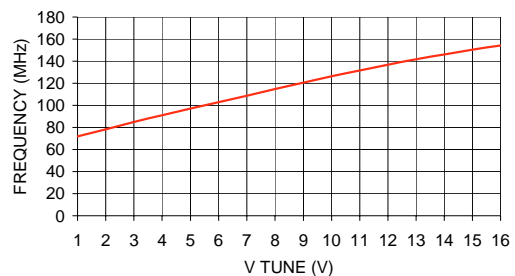
electrical schematic



Outline Drawing



ZOS-150
FREQUENCY vs. TUNING VOLTAGE



Outline Dimensions (inch/mm)

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



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