

Coaxial

# Voltage Controlled Oscillator

ZOS-400

Dual Output 200 to 380 MHz

## Features

- wide bandwidth
- linear tuning
- excellent harmonic suppression, -24 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-400-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.	Typ.	Typ.	Typ.	Max.	Typ.	Vcc (Volts)	Current (mA) Max.
ZOS-400	200	380	+10	-13	1	16	-100	-120	-136	0.021	0.50	15	-24	-18	0.1	12	140

## Maximum Ratings

Operating Temperature -55°C to 85°C

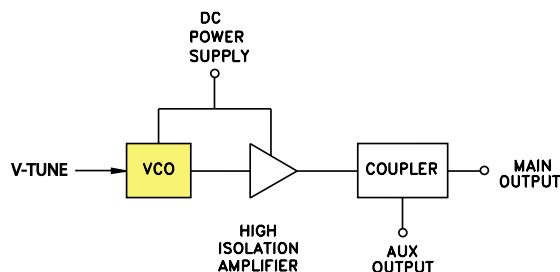
Storage Temperature -55°C to 100°C

Absolute Max. Supply Voltage (Vcc) +16V

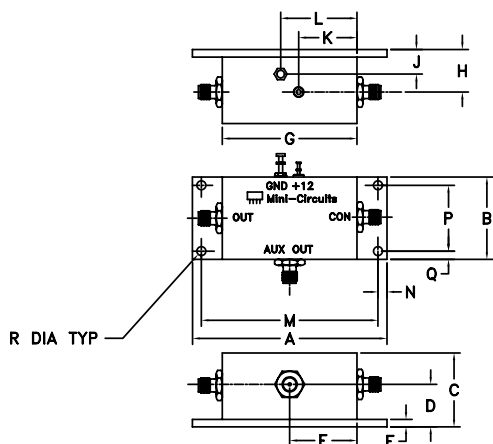
Absolute Max. Tuning Voltage (Vtune) +18V

all specifications: 50 ohm system

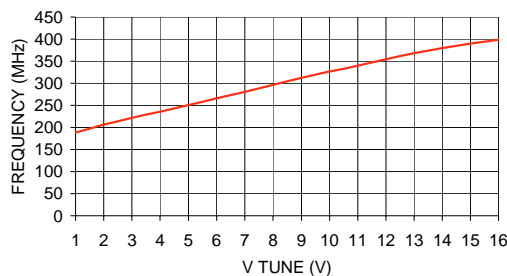
## electrical schematic



## Outline Drawing



ZOS-400  
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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