

Coaxial Voltage Controlled Oscillator

ZOS-1025+ ZOS-1025

Dual Output 685 to 1025 MHz

Features

- wide bandwidth
- linear tuning
- excellent harmonic suppression, -25 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-1025(+)	\$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.
685	1025	+8	-13	1	16	-92	-112	-136	0.051	1.00	30	-25	-18	0.1	12	140

Maximum Ratings

Operating Temperature -55°C to 85°C

Storage Temperature -55°C to 100°C

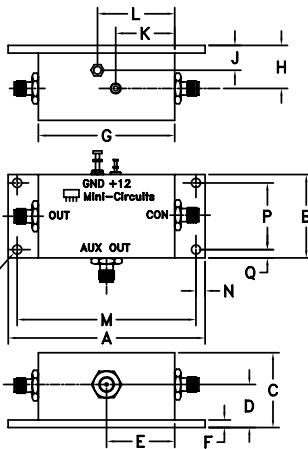
Absolute Max. Supply Voltage (V_{cc}) +16V

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

all specifications: 50 ohm system

Permanent damage may occur if any of these limits are exceeded.

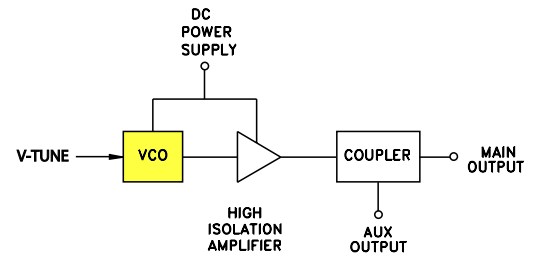
Outline Drawing



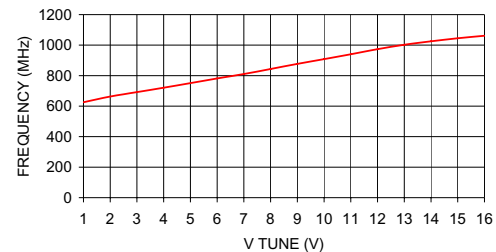
Outline Dimensions (inch/mm)

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

electrical schematic



ZOS-1025
FREQUENCY vs. TUNING VOLTAGE



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IF/RF MICROWAVE COMPONENTS

REV. A
M110171
ZOS-1025
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