

Coaxial Voltage Controlled Oscillator

ZOS-765+ ZOS-765

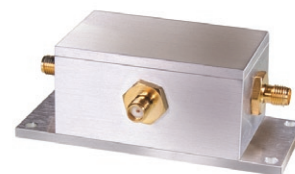
Dual Output 485 to 765 MHz

Features

- octave bandwidth
- linear tuning
- excellent harmonic suppression, -27 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-765(+)	\$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.
485	765	+8.5	-14	1	16	-96	-117	-132	0.033	0.72	22	-27	-17	0.1	12	140

Maximum Ratings

Operating Temperature -55°C to 85°C

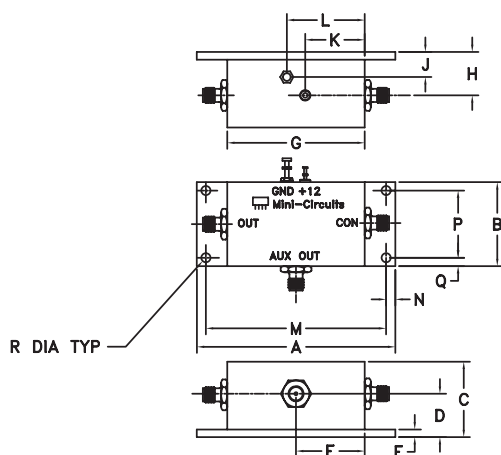
Storage Temperature -55°C to 100°C

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

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

all specifications: 50 ohm system

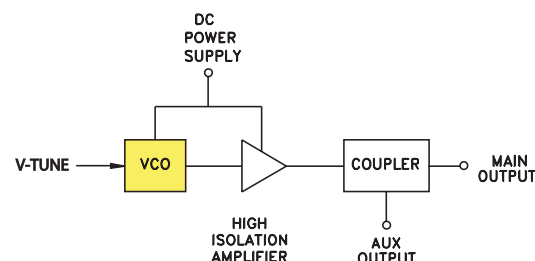
Outline Drawing



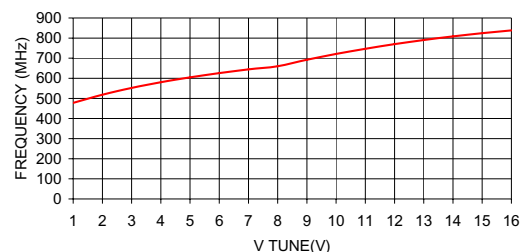
Outline Dimensions (inch/mm)

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-765
FREQUENCY vs. TUNING VOLTAGE



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IF/RF MICROWAVE COMPONENTS

REV. A
M110171
ZOS-765
SK/TD/CP/AM
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