

Coaxial Frequency Mixer

Level 13 (LO Power +13 dBm) 1400 to 1900 MHz

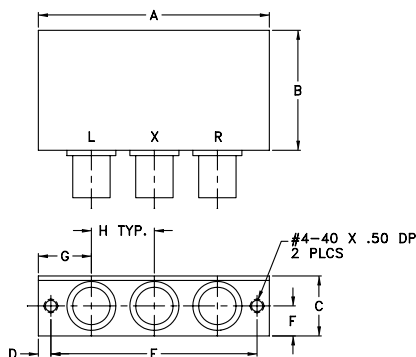
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power	200mW
IF Current	40mA

Coaxial Connections

LO	L
RF	R
IF	X

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	wt
2.31	1.20	.60	.125	2.062	.30	.53	.63	grams
58.7	30.5	15.2	3.2	52.4	7.6	13.5	16.0	75.0

Features

- low conversion loss, 7.4 dB typ.
- good L-R isolation, 33 dB typ.
- rugged shielded case

Applications

- VHF/UHF
- instrumentation

ZP-11AMH+
ZP-11AMH



BNC version shown

CASE STYLE: GG60

Connectors	Model	Price	Qty.
BNC	ZP-11AMH(+)	Contact Sales Dept.	
SMA	ZP-11AMH-S(+)		

+ 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

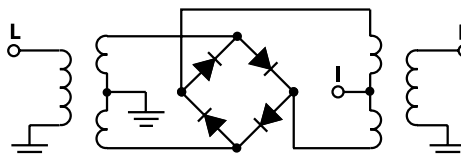
FREQUENCY (MHz)		CONVERSION LOSS (dB)			LO-RF ISOLATION (dB)		LO-IF ISOLATION (dB)	
LO/RF	IF	$\bar{X}$	σ	Total Range Max.	Typ.	Min.	Typ.	Min.
$f_L - f_U$								
1400-1900	40-500	7.4	0.20	8.6	33	20	24	15

1 dB COMP.: +9 dBm typ.

Typical Performance Data

Frequency (MHz)		Conversion Loss (dB)	Isolation L-R (dB)	Isolation L-I (dB)	VSWR RF Port (:1)	VSWR LO Port (:1)
RF	LO	LO +13dBm	LO +13dBm	LO +13dBm	LO +13dBm	LO +13dBm
1400.00	1430.00	7.21	29.10	35.50	2.16	2.08
1426.32	1456.32	7.29	28.80	34.80	2.12	2.20
1452.63	1482.63	7.38	28.80	34.60	2.01	2.23
1478.95	1508.95	7.51	28.70	33.90	1.89	2.16
1505.26	1535.26	7.54	28.70	33.30	1.81	2.12
1531.58	1561.58	7.53	28.40	32.70	1.70	2.16
1557.90	1587.90	7.51	28.40	31.70	1.61	2.25
1584.21	1614.21	7.38	28.40	30.60	1.51	2.23
1610.53	1640.53	7.47	28.40	29.90	1.41	2.18
1636.84	1666.84	7.37	27.80	29.50	1.29	2.18
1663.16	1693.16	7.34	27.80	28.70	1.49	2.23
1689.47	1719.47	7.46	27.50	27.60	1.34	2.20
1715.79	1745.79	7.43	27.20	26.90	1.27	2.18
1742.11	1772.11	7.38	26.80	25.80	1.22	2.12
1768.42	1798.42	7.32	26.60	25.00	1.18	2.12
1794.74	1824.74	7.51	26.50	24.40	1.17	2.16
1821.05	1851.05	7.46	26.20	23.80	1.17	2.14
1847.37	1877.37	7.56	26.40	23.40	1.19	2.10
1873.68	1903.68	7.45	26.10	22.90	1.21	2.10
1900.00	1870.00	7.55	26.20	22.50	1.25	2.12

Electrical Schematic



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RF/IF MICROWAVE COMPONENTS

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M98898
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Performance Charts

ZP-11AMH+ ZP-11AMH

