

Mixers - Double Balanced

- RF 2.0 - 25.0GHz
- LO +7 to +22dBm
- Miniature Size
- Octave & Multi-Octave
- Low Loss
- High Isolation
- Connector & Drop-in
- -55 +100C
- Impedance 50 Ohms
- IF VSWR typically in Range 1.5:1 to 2.5:1



LO Levels

(Diode Types)

L	+7 to +10dBm
M	+10 to +13dBm
N	+13 to +16dBm
H	+16 to +19dBm
S	+19 to +22dBm

Exceptions:

Models AM10218 & AM10220

(Diode Types)

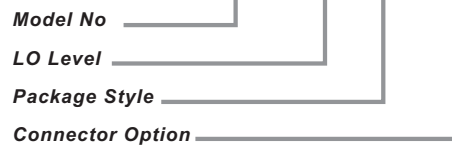
L	+10 to +13dBm
M	+13 to +16dBm
N	+16 to +19dBm

Connector Options

SMA	SMA female
DI	Drop in

PART NUMBERING

AM10204 - M - A - SMA



Package Styles A, B, C, E & P -
See Outlines

Note: (Diodes)

Models AM10218, AM10220 & AM10825 available in L, M & N Diodes only.
Model AM10618 available in L Diode only.
Model AM10816 available in M Diode only.

Note: (Packaging styles)

Models AM10218 & AM10220 not available in E package.

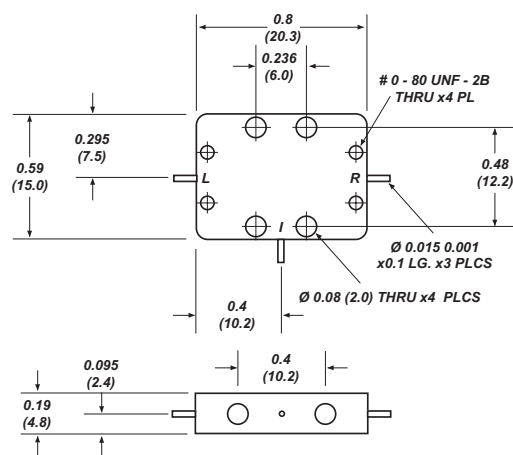
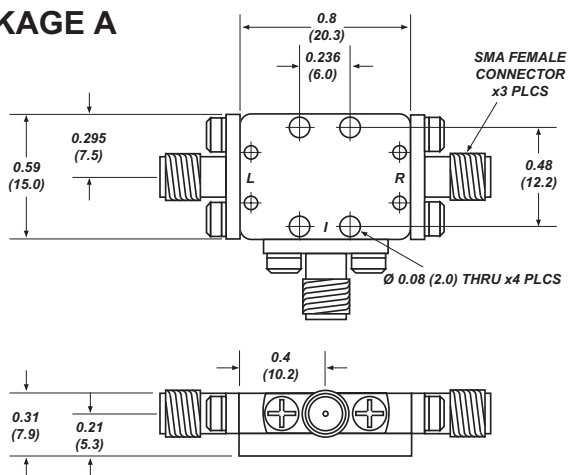
Model No.	LO/RF (GHz)	IF (GHz)	(1) SSB Conversion Loss (dB) typ/max.	Isolation dB			1dB Compression (dBm) typ Diode			Third Order Intercept (dBm) typ Diode			VSWR (:1) typ.	
				L - R typ/min.	L - I typ	R - I typ	L	M	N	L	M	N	LO	RF
AM10204	2 - 4	DC - 2	5.0/7.0	38/25	35	25	2	5	8	12	15	18	2.0	2.5
AM10208	2 - 8	DC - 2	5.5/7.0	38/25	33	25	2	5	8	12	15	18	2.5	2.5
AM10212	2 - 12	DC - 2	5.5/7.5	35/25	20	25	2	5	8	12	15	18	2.0	3.0
AM10218	2 - 18	DC - 2	7.0/9.0	35/25	25	25	3	6	9	13	16	19	2.0	2.5
AM10220	2 - 20	DC - 2	7.0/9.0	35/25	25	25	3	6	9	13	16	19	2.0	2.5
AM10310	3 - 10	DC - 3	6.0/9.0	50/40	40	25	2	5	8	12	15	18	2.5	2.0
AM10312	3 - 12	DC - 3	5.5/7.5	40/25	25	25	2	5	8	12	15	18	3.0	2.0
AM136145	3.6 - 14.5	DC - 2.5	7.0/5.5	32/25	25	25	2	5	8	12	15	18	2.0	2.0
AM10408	4 - 8	DC - 4	5.5/7.0	35/25	25	25	2	5	8	12	15	18	2.0	2.5
AM10412	4 - 12	DC - 4	5.0/7.0	40/25	30	25	2	5	8	12	15	18	2.0	2.5
AM10418	4 - 18	DC - 4	5.0/8.0	35/20	30	25	2	5	8	12	15	18	2.0	2.5
AM10420	4 - 20	DC - 4	5.0/8.0	35/20	30	25	2	5	8	12	15	18	2.0	2.5
AM10520	5 - 20	DC - 4	6.0/8.0	30/20	30	25	2	5	8	12	15	18	2.0	2.0
AM10610	6 - 10	DC - 4	5.0/7.0	35/25	25	25	2	5	8	12	15	18	1.8	2.5
AM10614	6 - 14	DC - 4	5.0/7.0	35/25	30	25	2	5	8	12	15	18	1.8	2.0
AM10616	6 - 16	DC - 4	5.5/7.0	35/25	30	25	2	5	8	12	15	18	2.0	2.5
AM10618	6 - 18	DC - 7	6.0/7.5	25/20	20	25	1	4	7	12	15	20	2.5	2.5
AM10620	6 - 20	DC - 6	5.5/7.5	40/30	20	25	2	5	8	12	15	18	3.0	1.8
AM10816	8 - 16	DC - 4	6.0/7.0	35/25	30	25	2	5	8	12	15	18	2.0	2.0
AM10818	8 - 18	DC - 4	6.0/7.5	35/25	30	25	2	5	8	12	15	18	2.0	2.5
AM10825	8 - 25	DC - 7	6.0/8.5	35/25	25	25	2	5	8	12	15	18	3.5	2.0
AM11020	10 - 20	DC - 4	6.0/8.0	35/20	30	25	2	5	8	12	15	18	2.0	2.5

(1) Conversion loss is at IF = DC - 1.0 GHz

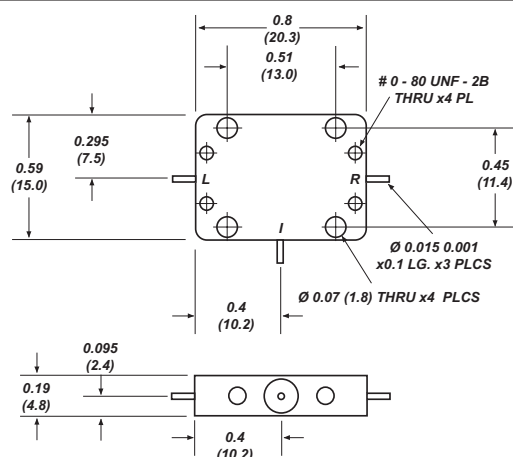
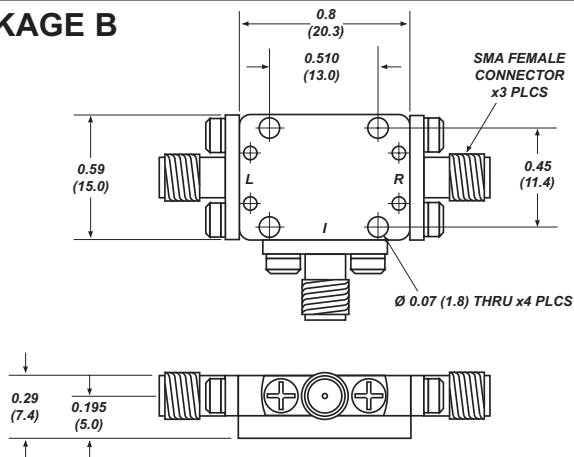
(2) 1dB compression point and Third Order Intercept are referred to input.

Custom frequency ranges, specifications and configurations are also available.

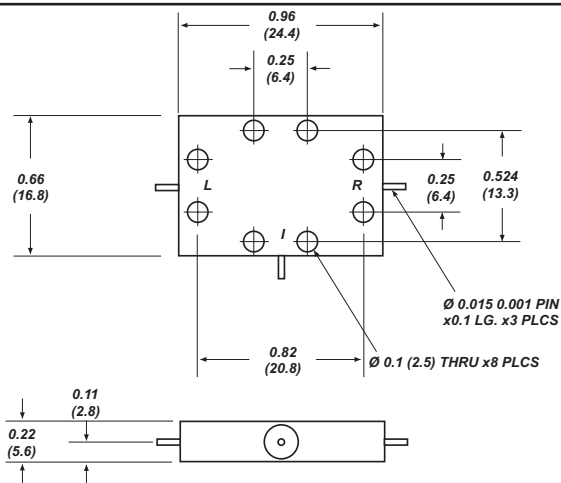
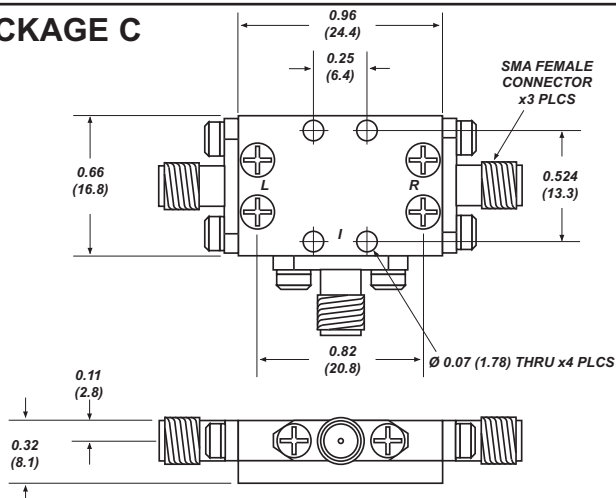
PACKAGE A



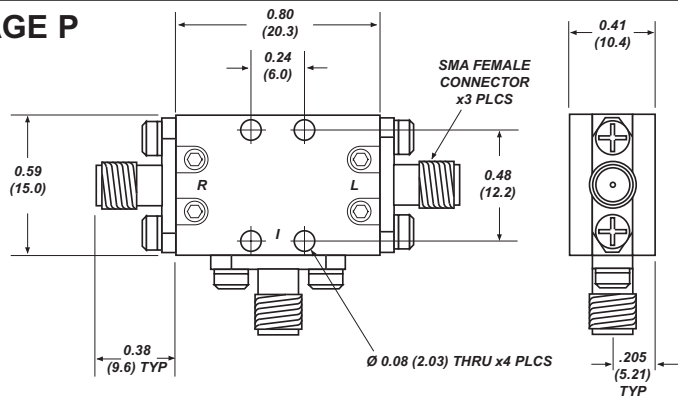
PACKAGE B



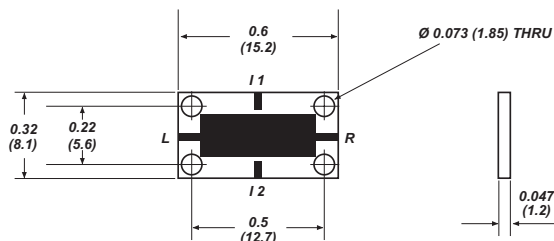
PACKAGE C



PACKAGE P



PACKAGE E



All dimensions are inches (mm)

We reserve the right to change standard product specifications without notice but will be pleased to consider control drawings for quotation.