

# IMAGE REJECT MIXERS

LO Frequency (MHz) +10 dBm	(1) RF Frequency (MHz) -10 dBm	Power (dBm) nom.	Conversion Loss (dB) max.	1 dB Comp. Pt. (dBm) min.	(2) Image Rejection (dBc) min.	P/N
810-830	LO $\pm$ IF	+10	9.0	+3	25	IR-01-*
865-900	LO $\pm$ IF	+10	9.0	+3	25	IR-02-*
935-960	LO $\pm$ IF	+10	9.0	+3	25	IR-03-*
1710-1785	LO $\pm$ IF	+10	10.0	+3	20	IR-04-*
1805-1880	LO $\pm$ IF	+10	10.0	+3	20	IR-05-*
30-60	LO $\pm$ IF	+10	8.0	+3	25	IR-06-*
50-100	LO $\pm$ IF	+10	8.0	+3	25	IR-07-*
80-160	LO $\pm$ IF	+10	8.5	+3	25	IR-08-*
100-200	LO $\pm$ IF	+10	9.0	+3	25	IR-09-*
200-350	LO $\pm$ IF	+10	9.0	+3	25	IR-10-*
2000-4000	LO $\pm$ IF	+10	9.0	+3	15	IROH-01-458
3000-6000	LO $\pm$ IF	+10	9.0	+3	15	IROH-02-458
4000-8000	LO $\pm$ IF	+10	9.0	+3	15	IROH-03-458

\* Available in outline # 105, 302, 303, 412, & F  
SMA female connectors standard on outline # 412, refer to page 98 for more information.

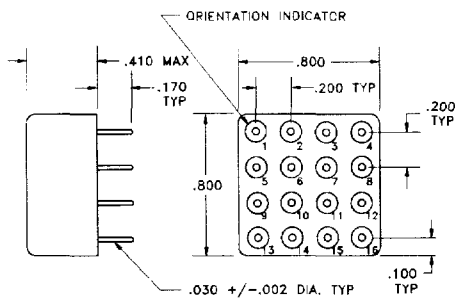
Additional frequencies & wider bandwidths are available, consult factory

Notes: (1) IF used in standard model is 20 MHz - Other frequencies available, consult factory.  
(2) IF1 image is rejected when RF < LO frequency - IF2 image is rejected when RF > LO frequency.

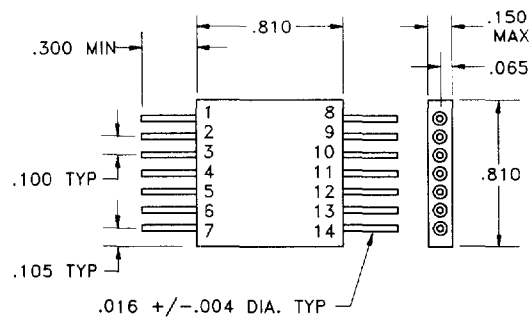
## Port Configuration

Outline	LO	RF	IF1	IF2	Ground
105	16	1	4	13	2,3,5-12,14,15
302	14	1	5	12	2-4,6-11,13
303	16	1	6	14	2-5,7-13,15
412	1	3	4	2	Housing
458	4	2	1	3	Housing
F	12	6	3	9	All Others

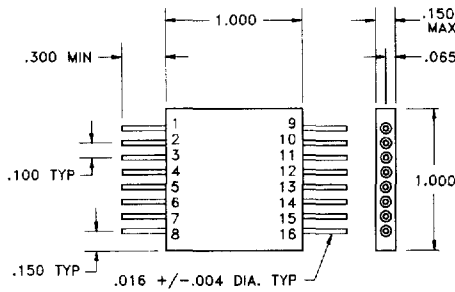
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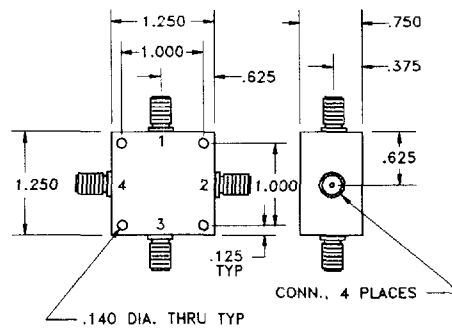
**Outline 105**



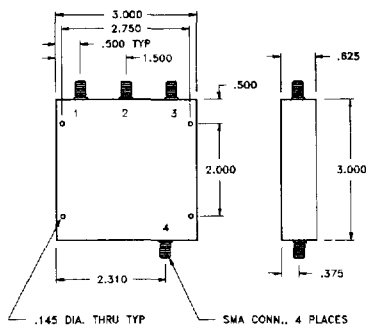
**Outline 302**



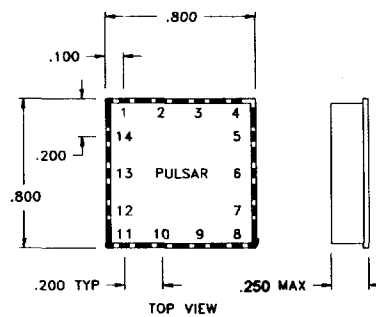
**Outline 303**



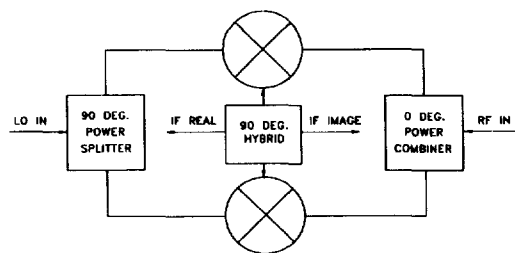
**Outline 412**



**Outline 458**



**Outline F**



Modulators/  
Demodulators