

DOUBLE BALANCED MIXERS

DC COUPLED I.F.

Frequency Range LO/RF IF (1) (MHz) (MHz)		LO Drive (dBm)	Conversion Loss (dB) max.	1 dB Comp. Pt. (dBm) typ.	Isolation L/R L/I (dB) (dB) min. min.		P/N
0.01-100	DC-100	+7	6.0	+1	45	40	X2L-01-102
0.01-125	DC-125	+7	6.0	+1	40	35	X2L-02-102
0.1-500	DC-500	+7	7.5	+1	30	20	X2L-03-*
0.1-750	DC-750	+7	8.0	+1	25	20	X2L-04-*
0.5-1000	DC-1000	+7	8.5	+1	25	20	X2L-05-*
1-1000	DC-1000	+7	8.0	+1	25	20	X2L-06-*
800-1000	DC-200	+7	7.5	+1	25	20	X2L-07-*
10-1500	DC-1000	+7	8.5	+1	25	20	X2L-08-*
800-2500	DC-400	+7	8.0	+1	20	15	X2L-09-*
800-4000	DC-700	+7	9.0	+1	25	20	X2L-10-*
0.01-100	DC-100	+17	6.0	+10	45	40	X2M-01-102
0.01-125	DC-125	+17	6.0	+10	40	35	X2M-02-102
0.1-500	DC-500	+17	7.5	+10	30	20	X2M-03-*
0.1-750	DC-750	+17	8.0	+10	25	20	X2M-04-*
0.5-1000	DC-1000	+17	8.5	+10	25	20	X2M-05-*
1-1000	DC-1000	+17	8.0	+10	25	20	X2M-06-*
800-1000	DC-200	+17	7.5	+10	25	20	X2M-07-*
10-1500	DC-1000	+17	8.5	+10	25	20	X2M-08-*
800-2500	DC-400	+17	8.0	+10	20	15	X2M-09-*
800-4000	DC-700	+17	9.0	+10	25	20	X2M-10-*
0.01-100	DC-100	+23	6.0	+17	45	40	X2H-01-102
0.01-125	DC-125	+23	6.0	+17	40	35	X2H-02-102
0.1-500	DC-500	+23	7.5	+17	30	20	X2H-03-*
0.1-750	DC-750	+23	8.0	+17	25	20	X2H-04-*
0.5-1000	DC-1000	+23	8.5	+17	25	20	X2H-05-*
1-1000	DC-1000	+23	8.0	+17	25	20	X2H-06-*
800-1000	DC-200	+23	7.5	+17	25	20	X2H-07-*
10-1500	DC-1000	+23	8.5	+17	25	20	X2H-08-*
800-2500	DC-400	+23	8.0	+17	20	15	X2H-09-*
800-4000	DC-700	+23	9.0	+17	25	20	X2H-10-*

* Available in outline # 101 (models above 1500 MHz - Pin 4 is grounded), 411, 414, & A

** Available in outline # 101, (models above 1500 MHz - Pin 4 is grounded), 108, 301, 411, & 414

SMA female connectors are standard on outline # 411 & 414, refer to page 98 for more information.

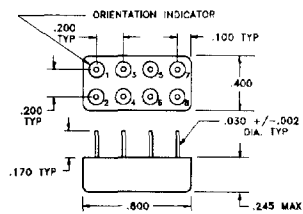
Notes: (1) Polarity is negative for DC coupled mixers.

See outlines on page 48.

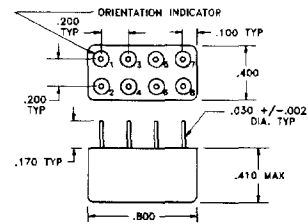
Mixers

MIXERS

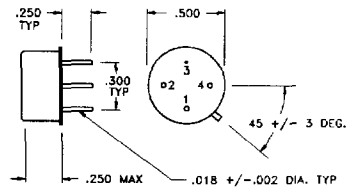
AC & DC COUPLED I.F.



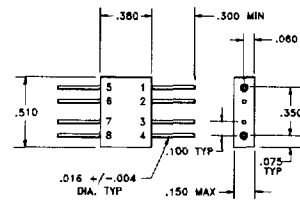
Outline 101



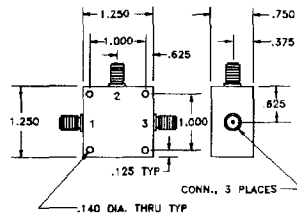
Outline 102



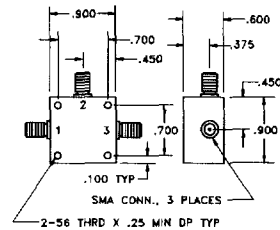
Outline 108



Outline 301



Outline 411



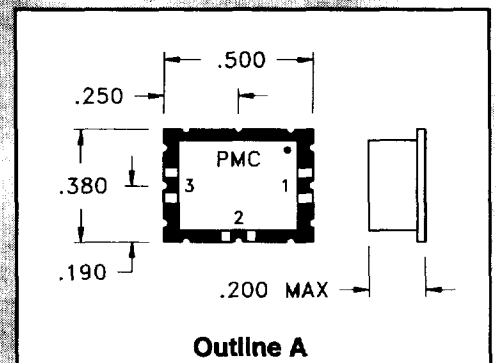
Outline 414

AC Coupled Port Configuration

Outline	RF	LO	IF	Ground
101	1	8	3	2,5-7
102	1	8	3	2, 5, 7
108	4	2	1	3
301	1	4	5	2,3,6-8
411	1	3	2	Housing
414	1	3	2	Housing
A	1	3	2	-

DC Coupled Port Configuration

Outline	RF	LO	IF	Ground
101	1	8	3,4	2,5-7
102	1	8	3,4	2,5-7
108	4	2	1	3
301	1	4	5	2,3,6-8
411	1	3	2	Housing
414	1	3	2	Housing
A	1	3	2	-



Outline A