

FREQUENCY DOUBLERS

FREQUENCY RANGE INPUT (MHZ)	OUTPUT (MHZ)	(1) INPUT POWER (dBm) MIN MAX		CONVERSION LOSS @ F2 (dB) MAX	(2) CONVERSION LOSS (dBc) TYP @ F4	(2) SPURIOUS (dBc) F1 F3		MODEL
		0.05-150	0.1-300			+3	+15	
1-500	2-1000	+3	+15	12.0	20	20	25	FX-02-*
50-1000	100-2000	+3	+15	12.0	20	20	22	FX-03-*
75-1500	150-3000	+3	+15	12.0	20	20	20	FX-04-*
50-2100	100-4200	+7	+15	13.0	20	16	25	FX-05-*
300-3000	600-6000	+10	+15	13.0	20	16	25	FX-06-*

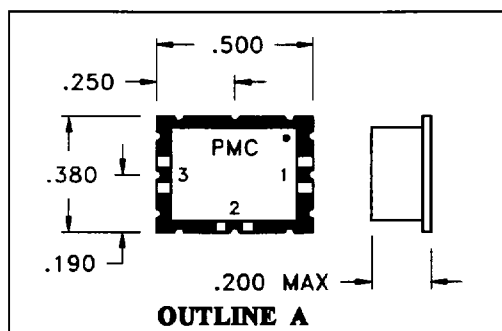
* Available In Outline # 102, 103, 301 & A

* Available In Outline # 410 - SMA Female Connectors Are Standard, With No Suffix Required

Outline 410 Is Available With BNC, TNC & N Connectors - Specify By Adding B, T Or N Suffix At End Of Model #

Notes: (1) Optimum Performance Is Obtained With +10 dBm Input Power

(2) With Respect To F2



PORT CONFIGURATION			
OUTLINE	INPUT	OUTPUT	GROUND
102	1	8	2-7
103	1	4	2,3
301	1	8	2-7
410	1	2	HOUSING
A	1	3	4 CORNERS

BIAS TEES

FREQUENCY RANGE (MHZ)	INPUT POWER MAX (dBm)	INSERTION LOSS MAX (dB)	CURRENT MAX (mA)	VSWR MAX	MODEL
10-1000	+20	1.0	200	1.2:1	BT-01-*
500-2500	+20	1.5	200	1.2:1	BT-02-*
10-4200	+20	1.6	200	1.2:1	BT-03-*

* Available In Outlines # 411 & 414 - SMA Female Connectors Are Standard, With No Suffix Required

Outline 411 Is Available With BNC, TNC & N Connectors - Specify By Adding B, T Or N Suffix At End Of Model #

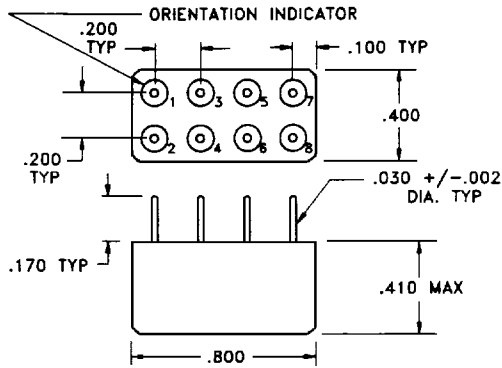
PORT CONFIGURATION				
OUTLINE	RF IN (DC BLOCK)	RF / DC OUTPUT	DC IN (BIAS)	GROUND
411	1	3	2	HOUSING
414	1	3	2	HOUSING

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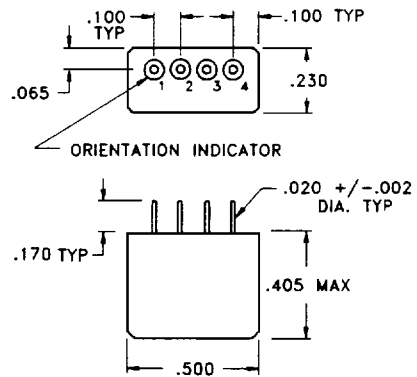
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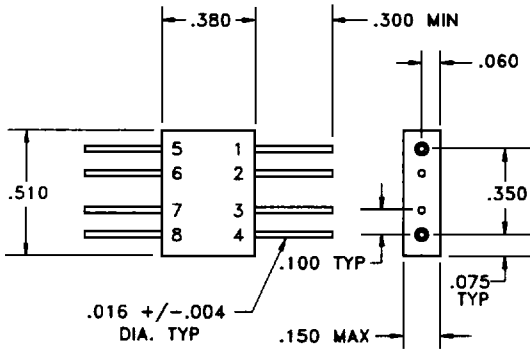
FREQUENCY DOUBLERS / BIAS TEES



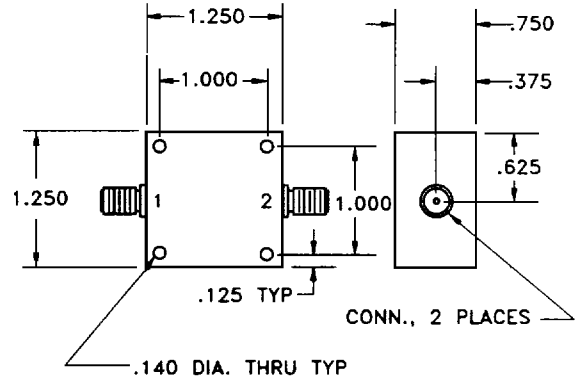
OUTLINE 102



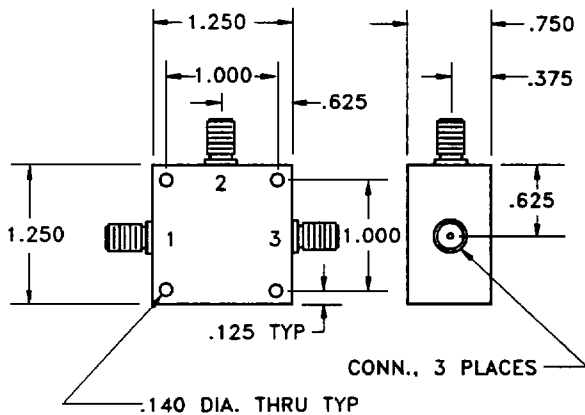
OUTLINE 103



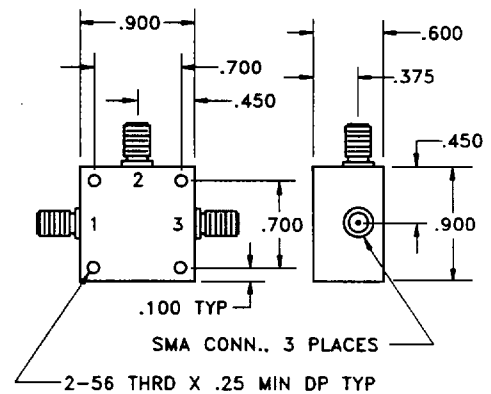
OUTLINE 301



OUTLINE 410



OUTLINE 411



OUTLINE 414

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