

# FOUR - WAY

## 1 to 18 GHz



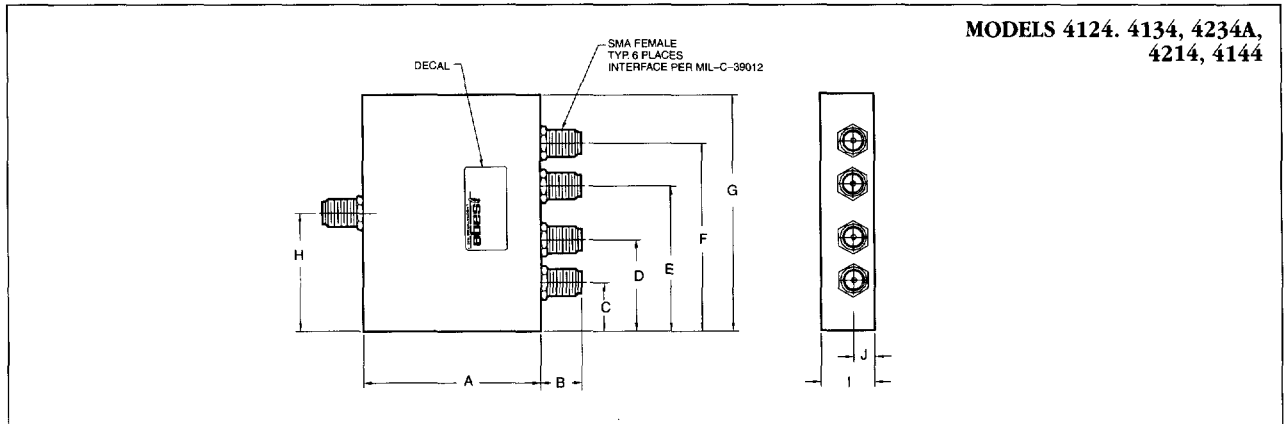
### SPECIFICATIONS

Frequency range (GHz)	Insertion loss max (dB) @ f (GHz)	VSWR max input/output	Isolation min (dB)	Amplitude unbalance max (dB)	Phase unbalance max (degrees)	Average power <sup>1</sup> (W) @ 1 GHz	Model
1-2	0.6	1.25/1.25	20	0.3	4	20	4124
2-4	0.4	1.25/1.25	20	0.3	6	20	4134
2-6	0.7	1.35/1.35	20	0.3	6	20	4234A
3.7-4.2	0.4	1.20/1.20	20	0.2	6 <sup>2</sup>	5	4214
3.7-4.2	0.4	1.20/1.20	20	0.2	6 <sup>2</sup>	5	4214A
4-8	0.8	1.35/1.35	20	0.4	8	20	4144
8-18	0.6	1.60/1.50	17	0.5	16	5	4234

#### NOTES:

1. Input power with 1.5 max output system VSWR.
2. To equalize the phase at all four ports, add an additional line lengths to J3 and J4 equivalent to 3.5 cm of air line each

### OUTLINE DRAWING



Model	A	B	C	D	E	F	G	H	I	J
4124	1.65(4,19)	.38(0,97)	.45(1,14)	.85(2,16)	1.35(3,43)	1.75(4,45)	2.20(5,59)	1.10(2,79)	.38(0,97)	.19(0,48)
4134	1.65(4,19)	.38(0,97)	.45(1,14)	.85(2,16)	1.35(3,43)	1.75(4,45)	2.20(5,59)	1.10(2,79)	.38(0,97)	.19(0,48)
4144	1.06(2,69)	.38(0,97)	.30(0,76)	.70(1,78)	1.20(3,05)	1.60(4,06)	1.90(94,83)	.95(2,41)	.38(0,97)	.19(0,48)
4214	1.96(4,98)	.39(0,99)	.50(1,27)	1.50(3,81)	2.50(6,35)	3.50(8,89)	4.00(10,16)	2.00(5,08)	.50(1,27)	.20(0,51)
4234A	1.45(3,68)	.38(0,97)	.31(0,78)	.71(1,80)	1.21(3,07)	1.61(4,09)	1.92(4,88)	.96(2,44)	.38(0,97)	.19(0,48)

**OUTLINE DRAWINGS**

