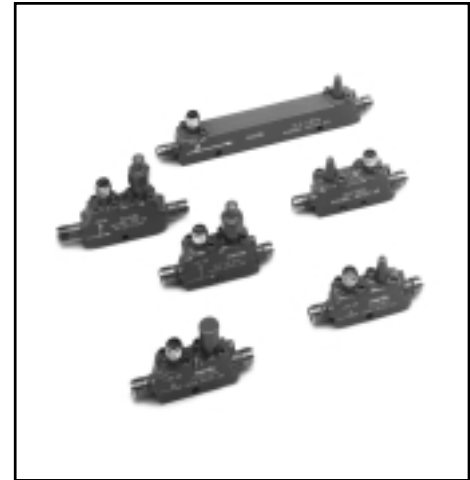


Couplers

0.5-26.5 GHz

SMA MINIATURE STRIPLINE COAXIAL COUPLERS

- Smallest, Lightest Units Available from 0.5 to 26.5 GHz
- Highest Directivity, Lowest VSWR
- Excellent Frequency Flatness
- Operational to 105°C without Degradation (125°C Storage)



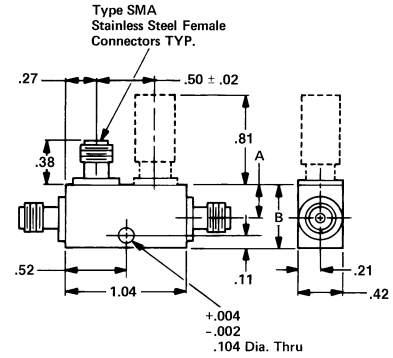
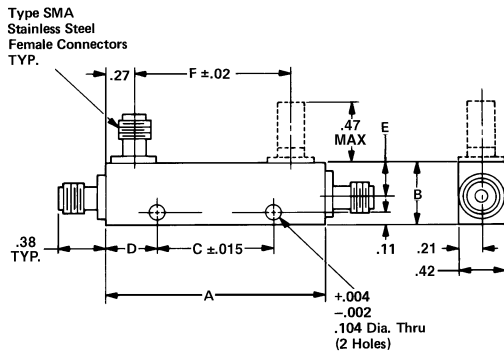
SPECIFICATIONS

FREQUENCY RANGE (GHz)	MODEL	COUPLING (dB)	DIRECTIVITY dB (Min)	INSERTION LOSS		VSWR		FREQUENCY* SENSITIVITY (dB) Max	POWER INPUT (Watts)	REFLECTED POWER		WEIGHT	
				EXCLUDING COUPLED POWER	TRUE	PRIMARY LINE Max	SECONDARY LINE Max			AVG. Watts	PEAK kW	Oz	Gr (Max)
0.5-1	4011C-10	10±1.25	25	0.20	0.80	1.15	1.15	±0.75	50	5	3	1.3	37
	4011C-20	20±1.25	25	0.20	0.80	1.15	1.15	±0.75	50	50	3	1.2	34
1-2	4012C-5	6±1.00	25	0.20	1.80	1.15	1.15	±0.60	50	2	3	0.9	26
	4012C-10	10±1.25	25	0.20	0.90	1.10	1.10	±0.75	50	5	3	0.9	26
	4012C-20	20±1.25	27	0.20	0.20	1.10	1.10	±0.75	50	50	3	0.9	26
	4012C-30	30±1.25	27	0.20	0.20	1.10	1.10	±0.75	50	50	3	0.9	26
2-4	4013C-5	6±1.00	22	0.20	1.80	1.15	1.15	±0.60	50	2	3	0.6	18
	4013C-10	10±1.25	22	0.20	0.80	1.15	1.15	±0.75	50	5	3	0.6	18
	4013C-20	20±1.25	22	0.20	0.20	1.15	1.15	±0.75	50	50	3	0.6	18
	4013C-30	30±1.25	22	0.20	0.20	1.15	1.15	±0.75	50	50	3	0.6	18
2-6-5.2	4053-5	6±1.00	18	0.25	1.80	1.25	1.25	±0.60	50	2	3	0.6	18
	4053-10	10±1.25	20	0.25	0.80	1.25	1.25	±0.75	50	5	3	0.6	18
	4053-20	20±1.25	20	0.25	0.25	1.25	1.25	±0.75	50	50	3	0.6	18
	4053-30	30±1.25	20	0.20	0.25	1.25	1.25	±0.75	50	50	3	0.6	20
4-8	4014C-5	6±1.00	18	0.25	2.00	1.25	1.25	±0.60	50	2	3	0.6	18
	4014C-10	10±1.25	20	0.25	1.00	1.25	1.25	±0.75	50	5	3	0.6	18
	4014C-20	20±1.25	20	0.25	0.30	1.25	1.25	±0.75	50	50	3	0.6	18
	4014C-30	30±1.25	20	0.25	0.25	1.25	1.25	±0.75	50	50	3	0.6	18
7-12.4	4015C-5	6±1.00	15	0.40	2.00	1.30	1.30	±0.50	50	2	3	0.7	23
	4015C-10	10±1.25	17	0.40	1.00	1.30	1.30	±0.50	50	5	3	0.7	23
	4015C-20	20±1.00	17	0.30	0.35	1.25	1.25	±0.50	50	50	3	0.7	23
	4015C-30	30±1.00	17	0.30	0.30	1.25	1.25	±0.50	50	50	3	0.7	23
7.5-16	4055-5	6±1.10	12	0.60	2.00	1.35	1.40	±0.60	50	2	2	0.7	23
	4055-10	10±1.50	12	0.60	1.00	1.35	1.40	±0.75	50	5	2	0.7	23
	4055-20	20±1.25	15	0.50	0.50	1.35	1.40	±0.75	50	50	2	0.7	23
	4055-30	30±1.25	15	0.50	0.50	1.35	1.40	±0.75	50	50	2	0.7	23
12.4-18	4016D-5	6±1.00	15	0.55	2.00	1.35	1.45	±0.50	50	2	1	0.7	20
	4016D-10	10±1.00	15	0.55	1.10	1.35	1.40	±0.50	50	5	1	0.7	20
	4016C-20	20±1.00	15	0.50	0.55	1.30	1.40	±0.50	50	50	1	0.8	23
	4016C-30	30±1.00	15	0.50	0.55	1.30	1.40	±0.50	50	50	1	0.8	23
18-26.5	4017C-10	10±1.00	12	0.9	1.5	1.5	1.5	±0.75	30	5	0.2	1.0	28
	4017-20	20±1.00**	13	0.7	0.8	1.45	1.45	±0.80	30	2	0.5	1.0	28

*Frequency Sensitivity is included in coupling **Average.
All connectors are SMA type except Model 4017 which uses 2.92mm connectors; SMA compatible.

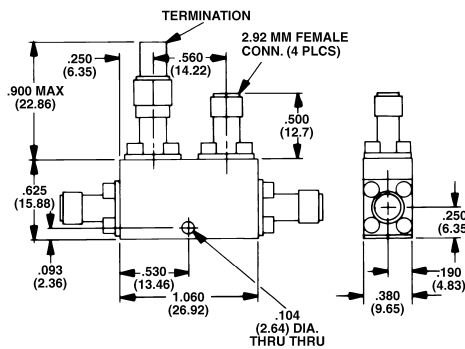
Couplers

OUTLINE DRAWINGS



MODEL	A	B	C	D	E	F
4011C-10	3.06	.58	1.500	.78	.34	2.52
4011C-20	3.04	.55	1.750	.65	.30	2.50
4012C-6	1.82	.55	.938	.44	.30	1.28
4012C-10, -20	1.82	.55	.938	.44	.30	1.28
4012C-30	1.82	.58	.938	.44	.34	1.28
4013C-6	1.20	.55	.344	.43	.30	.66
4013C-10, -20	1.20	.55	.344	.43	.30	.66
4013C-30	1.20	.59	.344	.43	.35	.66

MODEL	Max. Dimensions	
	A	B
4014C-6, -10, -20	.30	.55
4014C-30	.34	.58
4015C-6, -10, -20	.30	.55
4015C-30	.43	.67
4016D-6, -10	.30	.55
4016C-20, -30	.43	.67
4053-6, -10, -20	.30	.55
4053-30	.34	.58
4055-6, -10	.30	.55
4055-20, -30	.43	.67



Model 4017C

Dimensions in parentheses are in millimeters and for reference only.

All dimensions are Max. unless otherwise specified.