



Features

15 models from 1-18 GHz
Miniature metal case
High isolation, low VSWR
Meets MIL-E-5400, Class 3 requirements
Optional termination for isolated port

Applications

Subassemblies
Systems
Leveling loops
Power monitors
Laboratory and test setups

Description

The 1F0620 series of directional couplers employ an aluminum encased stripline circuit in a miniature configuration. This provides a rugged, small size, light weight, reliable

device. These units have excellent coupling, VSWR and isolation characteristics. The termination for the isolated port is optional and is easily removed for access to the port.

Electrical Specifications

Model No.	Frequency (GHz)	Coupling (dB)	Coupling Freq. Sensitivity Max (dB)	Directivity Min/Typ (dB)	Input VSWR Max	Insertion Loss Max (dB)	Max CW Pwr.*	
							For (W)	Rev (W)
1F0625-6	1.0-2.0	6.0 ± 0.5	±0.75	20/25	1.20	.35	20	2
1F0625-10		10.0 ± 0.5	±0.75	20/25	1.20	.35	50	5
1F0625-20		20.0 ± 1.0	±1.00	17/22	1.20	.35	100	50
1F0626-6	2.0-4.0	6.0 ± 0.5	±0.75	20/25	1.25	.35	20	2
1F0626-10		10.0 ± 0.5	±0.75	20/25	1.25	.35	50	5
1F0626-20		20.0 ± 1.0	±1.00	18/23	1.25	.35	100	50
1F0627-6	4.0-8.0	6.0 ± 0.5	±0.75	15/20	1.25	.35	20	2
1F0627-10		10.0 ± 0.5	±0.75	15/20	1.25	.35	50	5
1F0627-20		20.0 ± 1.0	±1.00	15/20	1.35	.35	100	50
1F0628-6	8.0-12.4	6.0 ± 0.5	±0.50	18/23	1.35	.50	20	2
1F0628-10		10.0 ± 0.5	±0.60	18/23	1.35	.50	50	5
1F0628-20		20.0 ± 0.75	±0.75	15/20	1.35	.50	100	50
1F0629-6	12.4-18.0	6.0 ± 0.5	±0.50	14/19	1.50	.60	20	2
1F0629-10		10.0 ± 0.5	±0.60	14/19	1.50	.60	50	5
1F0629-20		20.0 ± 0.75	±0.75	14/19	1.50	.60	100	50

*These ratings apply when optional termination is supplied by Anaren and coupled port VSWR is 2:1 or less. Higher Power can be handled with a lower VSWR termination.

Impedance: 50 ohms nominal

Specifications subject to change without notice.