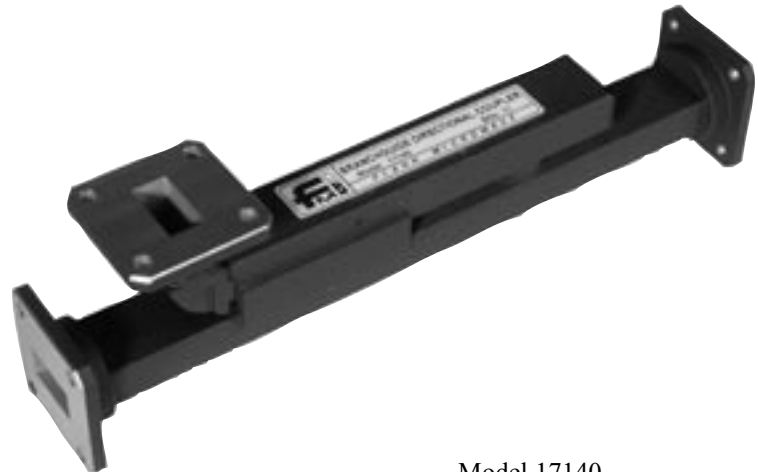


Branch Guide Directional Couplers Series 140

Branch Guide Directional Couplers from the Flann Series 140 are particularly suited to applications where multihole couplers cannot be accommodated or tighter coupling values than those achievable from cross guide couplers are required.

Models are available in both 3 and 4 port configurations and standard coupling values are 3 dB, 6 dB and 10 dB. Couplers operating over the full waveguide band are available but for optimum coupling and directivity performance we recommend that the operating frequency range is limited to 25% of the full waveguide band. Please state the operating frequency range required when ordering.



Model 17140

Model	Frequency Range (GHz)	Waveguide			Typical performance for models operating over 25% of the full waveguide band.					Model
					Coupling Accuracy (dB)			Coupling Sensitivity (dB)	Directivity better than (dB)	
		WG	R	WR	3 dB	6 dB	10 dB			
10140	2.60 - 3.95	10	32	284	0.3	0.4	0.5	±0.25	25	10140
11A140	3.30 - 4.90	11A	40	229	0.3	0.4	0.5	±0.25	25	11A140
12140	3.94 - 5.99	12	48	187	0.3	0.4	0.5	±0.25	25	12140
13140	4.64 - 7.05	13	58	159	0.3	0.4	0.5	±0.25	25	13140
14140	5.38 - 8.18	14	70	137	0.3	0.4	0.5	±0.25	25	14140
15140	6.58 - 10.0	15	84	112	0.3	0.4	0.5	±0.25	25	15140
16140	8.20 - 12.5	16	100	90	0.3	0.4	0.5	±0.25	25	16140
17140	9.84 - 15.0	17	120	75	0.3	0.4	0.5	±0.25	25	17140
18140	11.9 - 18.0	18	140	62	0.3	0.4	0.5	±0.25	25	18140

ORDERING INFORMATION

Model: Coupling value suffix: number of ports: operating frequency range; Description

Example: Model 16140-06-3P 8.93 to 11.07 GHz Branch Guide Directional Coupler, 6 dB, 3 Port, 8.93 to 11.07 GHz (optimised frequency range)

Note: When ordering please state the required operating frequency range.

Models are available in other waveguide sizes and alternative coupling values for special application. Full details on request.

Please refer to page 27 for definitions of Flann coupler specifications.

Standard Coupling Value	Suffix
3 dB	03
6 dB	06
10 dB	10

Series 140

For standard flange types and recommendations see pages 108 onwards