

Multihole Directional Couplers

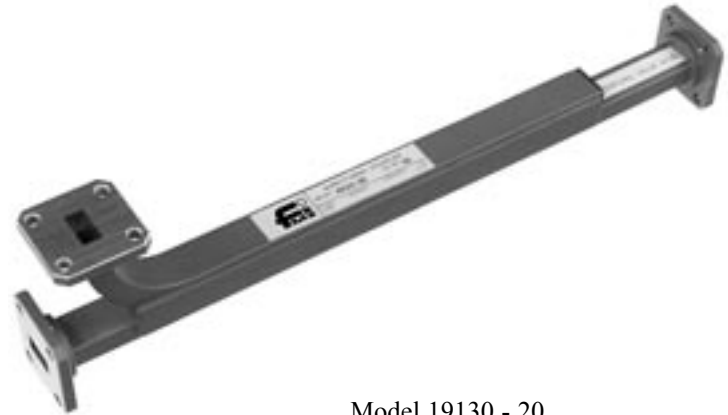
Series130

Features

- Systems Grade
- Ideal For Power / Frequency Sampling & Monitoring

The Flann series 130 of multihole directional couplers provides the user with a measurement facility over the entire waveguide frequency range at very modest cost.

These couplers have a good directivity performance whilst retaining the minimal frequency sensitivity associated with higher quality units. The standard coupling values are 10 and 20 dB.



Model 19130 - 20

IMPORTANT! All directivities quoted include the measuring port and flange performance when connected to an ideal termination.

Specifications:

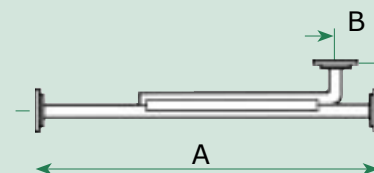
Model	Frequency Range (GHz)	Waveguide			Minimum Directivity (dB)	Coupling (10 & 20 dB)		Primary Arm VSWR	Secondary Arm VSWR	Model
		WG	R	WR		Sensitivity (±dB)	Nominal Accuracy (dB)			
10130	2.60 - 3.95	10	32	284	35	0.5	5%	1.03	1.10	10130
11A130	3.30 - 4.90	11A	40	229	35	0.5	5%	1.03	1.10	11A130
12130	3.94 - 5.99	12	48	187	35	0.5	5%	1.03	1.10	12130
13130	4.64 - 7.05	13	58	159	35	0.5	5%	1.03	1.10	13130
14130	5.38 - 8.18	14	70	137	35	0.5	5%	1.03	1.10	14130
15130	6.58 - 10.0	15	84	112	35	0.5	5%	1.03	1.10	15130
16130	8.20 - 12.5	16	100	90	35	0.5	5%	1.03	1.10	16130
17130	9.84 - 15.0	17	120	75	35	0.5	5%	1.03	1.10	17130
18130	11.9 - 18.0	18	140	62	35	0.5	5%	1.03	1.10	18130
19130	14.5 - 22.0	19	180	51	33	0.5	5%	1.03	1.10	19130
20130	17.6 - 26.7	20	220	42	33	0.75	7%	1.03	1.20	20130
21130	21.7 - 33.0	21	260	34	33	0.75	7%	1.03	1.20	21130
22130	26.4 - 40.1	22	320	28	33	0.75	7%	1.03	1.20	22130

Model	Dimensions (mm)				Weight (kg)	
	A		B	C	Weight (kg)	
	10 dB	20 dB			10 dB	20 dB
10130	1215	1029	85	130	10.6	8.0
11A130	965	817	70	100	5.7	4.6
12130	853	733	60	90	4.3	3.0
13130	785	676	55	75	3.5	2.6
14130	706	615	50	60	2.6	2.2
15130	534	460	35	50	1.5	1.3
16130	476	417	35	45	1.0	0.8
17130	387	338	35	40	0.8	0.6
18130	340	298	30	35	0.5	0.4
19130	300	262	30	35	0.4	0.3
20130	228	201	25	25	0.18	0.16
21130	215	194	25	25	0.18	0.16
22130	180	162	24	29	0.16	0.14

ORDERING INFORMATION

Model: Coupling Value Suffix; Description
 Example: Model 10130-10 Multihole Directional Coupler
 10 dB coupling Directivity >35 dB

Coupling Values	Suffix
10 dB	10
20 dB	20



Series 130