

Precision Fixed Attenuators

Series 580

Features

- **Very High Stability**
- **Attenuation variation with frequency less than ± 0.5 dB over full waveguide band**
- **Very Low Coupling Sensitivity v Temperature**
- **High Power Versions Available**

The Flann range of Precision Fixed Attenuators, Series 580, are very highly stable devices **eminently suitable for use in attenuation transfer standards and verification standards** for attenuation measurement systems or network analysers. The units are based on directional couplers and offer low attenuation variation with frequency, typically less than 0.5 dB, and low VSWR over the full waveguide band.

Standard attenuation values

3, 6, 10, 20, 30 and 40 dB.

Alternative attenuation value and high power handling units can be manufactured to special requirements.



Model	Frequency Range (GHz)	Waveguide			Attenuation		VSWR (better than)	Model
		WG	R	WR	Nominal Accuracy (dB)	Sensitivity (dB)		
14580	5.38 - 8.18	14	70	137	0.5 or 5% (whichever is the greater)	0.5	1.10	14580
15580	6.58 - 10.0	15	84	112		0.5	1.10	15580
16580	8.20 - 12.50	16	100	90		0.5	1.10	16580
17580	9.84 - 15.0	17	120	75		0.5	1.10	17580
18580	11.9 - 18.0	18	140	62		0.5	1.10	18580
19580	14.5 - 22.0	19	180	51		0.5	1.10	19580
20580	17.6 - 26.7	20	220	42	0.7 or 7% (whichever is the greater)	0.75	1.10	20580
21580	21.7 - 33.0	21	260	34		0.75	1.10	21580
22580	26.4 - 40.1	22	320	28		0.75	1.10	22580
23580	33.0 - 50.1	23	400	22		0.75	1.15	23580
24580	39.3 - 59.7	24	500	19		0.75	1.15	24580
25580	49.9 - 75.8	25	620	15	0.75	1.15	25580	
26580	60.5 - 92.0	26	740	12	1.0 or 10% (whichever is the greater)	1.0	1.15	26580
27580	73.8 - 112	27	900	10		1.0	1.15	27580
28580	92.3 - 140	28	1200	8		1.0	1.15	28580

ORDERING INFORMATION

Model: attenuation value suffix; description Example: Model 22580-20 precision fixed 20 dB attenuator

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For standard flange types and recommendations see pages 108 onwards