



## System Programmable Attenuator Series 624

New

### Features

- 8.0 GHz to 110 GHz
- 0dB to 50dB
- High Reliability
- Low Cost
- Attenuation Accuracy <0.1dB or 2% (which ever is the greater)

### Applications

- Fade Margin Testing
- Low Cost Testing
- Bit Error Testing



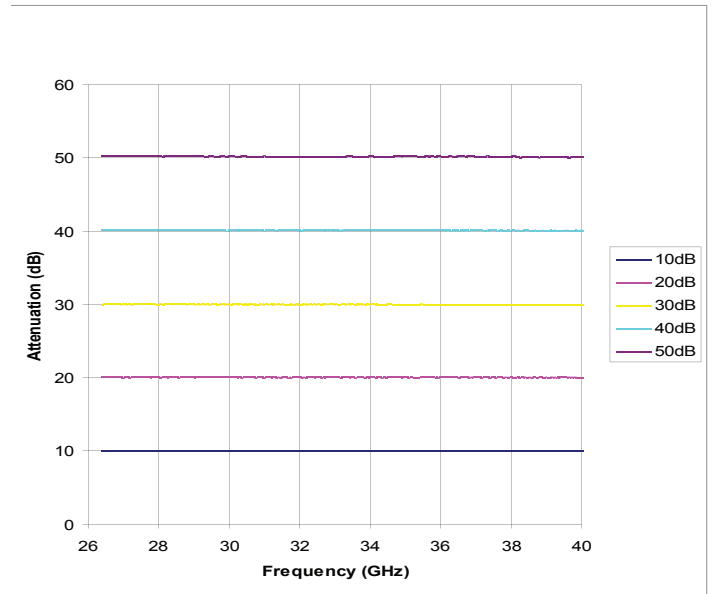
Model: 22624

The New Series 624 range of Motorised System Attenuators offer high performance at a competitive cost.

Flann's range of Series 620 Programmable Attenuators have set the standard and found favour for many demanding applications including metrology and high accuracy automated testing such as in the production testing of point to point radios.

Recognising the needs of Applications Engineers looking to undertake measurements where attenuation range and accuracy are less demanding, Flann have introduced the Series 624 System Programmable Attenuators. The units offer high performance and reliability at a modest cost.

The Series 624 Programmable Attenuators utilise the proven rotary vane principle and provide high accuracy over the full waveguide band.



Control is via onboard RS485: other interface control options are also available - details on request. The units require a 12 volt supply and are supplied with mating connectors. Weather proofed/Outdoor Models are also available - details on request.

### Specifications:

- Attenuation Range: 0 dB to 50 dB
- Attenuation Accuracy (better than): 0.1 dB or 2% which ever is the greater.
- VSWR (better than): 1.15 : 1

### Custom Design

Custom built instruments can be supplied; please contact the sales team for more information.

### Ordering

WG designation	Series	Flange
16 to 27	624	See flann.com

Example: 22624 UG-599/U. A WG22 (WR28) Programmable System Attenuator fitted with UG-599/U flange.

**Microwave Specifications**

Waveguide designation			Frequency (GHz)	VSWR (better than)	Insertion Loss max (dB)	Power max (Watts)
WG	R	WR				
16	100	90	8.20 - 12.5	1.15	0.25	4
17	120	75	9.84 - 15.0	1.15	0.25	3
18	140	62	11.9 - 18.0	1.15	0.3	2
19	180	51	14.5 - 22.0	1.15	0.4	1.5
20	220	42	17.6 - 26.7	1.15	0.6	1.0
21	260	34	21.7 - 33.0	1.15	0.8	0.75
22	320	28	26.4 - 40.1	1.15	0.9	0.50
23	400	22	33.0 - 50.1	1.15	1.0	0.30
24	500	19	39.3 - 59.7	1.15	0.8	0.25
25	620	15	49.9 - 75.8	1.15	1.0	0.15
26	740	12	60.5 - 92.0	1.15	1.3	0.10
27	900	10	73.8 - 112.0	1.15	1.5	0.07

Attenuation Range: 0 dB to 50 dB  
Attenuation Accuracy (better than): 0.1 dB or 2% which ever is the greater.  
VSWR (better than): 1.15 : 1

Data Protocol: RS485  
Data Connector: MIL-C-26482 10 shell, 6 pin

Operating Voltage: 12 Volt  
Power Connector: MIL-C-26482 8 shell, 2 pin

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