



Features

- Power over Ethernet (PoE) Control
- Models from 6.58 to 110 GHz
- 0 to 50 dB Range
- Attenuation accuracy <math><0.1\text{ dB}</math> or 2% (whichever is greater)

Applications

- Automated Test Equipment (ATE)
- Ideal for testing millimeter-wave Point to Point Radios
- Bit error rate testing
- Fade margin testing
- Transceiver diversity



Model: 26624-01

The new Series 642 Power over Ethernet range of Motorised Variable Attenuators offer high performance at a competitive price.

Building on the success of the RS485 version of the Series 624, Flann now offers a Power over Ethernet version. As well as the advantages that come with the ability to send commands over an Ethernet connection, the instrument fully complies with the IEEE 802.3af Class 0 specification and therefore allows both power and communication through a single connector.

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

Control is via PoE IEEE 802.3af Class 0. Other interface control options are available – details on request.

Custom Design

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

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**Microwave Specifications**

Waveguide Designation			Frequency (GHz)	VSWR (better than)	Insertion Loss max (dB)	Power max (Watts)
WG	R	WR				
15	84	112	6.58 – 10.0	1.15	0.25	6
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

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

Data and Voltage: IEEE 802.3af Class 0

Connector: Cat 5 Ethernet (RJ45)

Ordering

Please specify the following when ordering;

WG Designation	Series	Flange
15 to 27	624	See flann.com

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