



FLANN MICROWAVE

Programmable Attenuator, Ethernet
Series 625-03

Features

- **Ethernet Control Motorised Operation**
- **+24 V DC Operating Voltage – mains adaptor is supplied**
- **Models from 6.58 to 500 GHz (WG15, WR112 to WM570, WR2.2)**
- **Full Waveguide Band Operation**
- **0 to 60 dB Attenuation Range**
- **Attenuation Accuracy <0.1 dB or 1% (whichever is greater)**
- **0 to 60 dB Cycle Speed <1 second**



Applications

- **Automated Test Equipment (ATE)**
- **Testing millimetre-wave Point to Point Radios**
- **Bit error rate testing**
- **Fade margin testing**
- **Transceiver diversity**

The Series 625-03 Ethernet range of High Precision Programmable Attenuators utilise the proven rotary vane principle and Flann's "Industry Standard" experience to offer very high performance at a competitive price.

This model is based on Flann's highly respected Series 620/621 Rotary Attenuators, which offer high accuracy and high repeatability over the full attenuation range. In addition to the microwave performance expected of Flann, the Series 625-03 offers Ethernet control enabling connectivity from anywhere worldwide. The integrated touch screen display enables full manual operation where an Ethernet connection may not be available.

Repositioning time between 0 and 60 dB is less than one second.

Additional functionality features enable the instrument to be driven to higher attenuation values up to 90 dB.

Please note: The traditional CP2021 Control Processor is not required to drive the instrument.

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Related Products

Series 620: Programmable Attenuator, GPIB/USB

Series 621: Programmable Attenuator with Manual Control, GPIB/USB, Drumscale Readout

Specifications

Model	Frequency Range (GHz)	Waveguide				VSWR (max)	Maximum Insertion Loss (dB)	Attenuation Accuracy (better than)	Maximum Power (W)
		WG	WM	R	WR				
15625-03	6.58 – 10.0	15	-	84	112	1.15	0.25	Greater of 0.1 dB or 1% (up to 60 dB)	6
16625-03	8.20 – 12.5	16	-	100	90	1.15	0.25		4
17625-03	9.84 – 15.00	17	-	120	75	1.15	0.25		3
18625-03	11.9 – 18.00	18	-	140	62	1.15	0.3		2
19625-03	14.5 – 22.0	19	-	180	51	1.15	0.4		1.5
20625-03	17.6 – 26.7	20	-	220	42	1.15	0.6		1.0
21625-03	21.7 – 33.0	21	-	260	34	1.15	0.8		0.75
22625-03	26.4 – 40.1	22	-	320	28	1.15	0.9		0.50
23625-03	33.0 – 50.1	23	-	400	22	1.15	1.0		0.30
24625-03	39.3 – 59.7	24	-	500	19	1.15	1.0		0.25
25625-03	49.9 – 75.8	25	-	620	15	1.15	1.0		0.15
26625-03	60.5 – 92.0	26	-	740	12	1.15	1.3		0.10
27625-03	73.8 – 112	27	-	900	10	1.15	1.5		0.07
28625-03	92.3 – 140	28	-	1200	8	1.18	1.7		0.05
29625-03	114 – 173	29	-	1400	6	1.18	1.9	Greater of 0.1 dB or 1.2% (up to 60 dB)	0.035
30625-03	145 – 220	30	-	1800	5	1.22	2.5	Greater of 0.15 dB or 1.5% (up to 50 dB)	0.020
31625-03	172 – 261	31	-	2200	4	1.30	3.0	Greater of 0.2 dB or 1.5% (up to 45 dB)	0.015
32625-03	217 – 330	32	-	2600	3	1.50	3.0	Greater of 0.2 dB or 1.5% (up to 45 dB)	0.010
710625-03	260 – 440	-	710	-	'2.8'	1.75	4.0	Greater of 0.3 dB or 2% (up to 35 dB)	0.007
570625-03	330 – 500	-	570	-	'2.2'	2.20	5.0	Greater of 0.4 dB or 2.5% (up to 30 dB)	0.005

Ordering

Please specify the following:

WG designation	Series	Flange
WG15 to WM570	625-03	See flann.com

Example: 29626 UG-387/U-Mod is a WG29(WR6) Programmable Attenuator, Ethernet fitted with UG-387/U-Mod flange.

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