



FLANN MICROWAVE

Waveguide Switch, Power over Ethernet

Series 338

Features

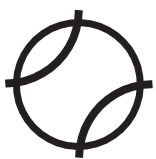
- Power and remote control over Ethernet
- Models up to 330 GHz
- High accuracy and repeatability
- 2 or 3 channel rotor
- High Isolation

Flann's range of precision manual and stepper motor controlled switches are now available with Ethernet power and control.

These switches can be embedded within a test and measurement system without affecting calibration because of their extremely high repeatability.

This design is built on the hugely successful xx333 series, some of which have been operating 24 hours, 7 days a week for over 20 years.

They are available in '2 channel' or '3 channel' rotor configurations, to allow many different switching options.



2-Channel Rotor Type 2

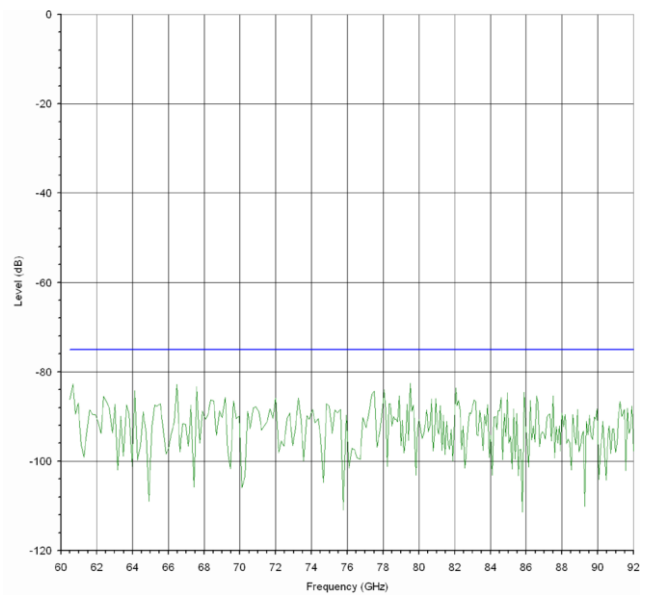


3-Channel Rotor Type 3



Model: 26338-3

Typical Isolation for Model 26338-3



Custom Design

Custom built instruments can be supplied with different port configurations or embedded terminations for example; please contact the sales team for more information.

Ordering

Please specify the following:

WG designation	Series	-	Number of rotor channels	Flange
08-32	338		2, 3	See flann.com

Example: 26338-3. A WG26 (WR12) Power-over-Ethernet switch with 3-channel rotor.



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Microwave Specifications

Waveguide designation			Frequency (GHz)	VSWR (better than)	Insertion Loss max (dB)	Isolation	Repeatability
WG	R	WR					
8	22	430	1.72 - 2.61			75 dB min	-50 dB
9A	26	340	2.17 - 3.30				
10	32	284	2.60 - 3.95				
11A	40	229	3.22 - 4.90				
12	48	187	3.94 - 5.99				
13	58	159	4.64 - 7.05				
14	70	137	5.38 - 8.18				
15	84	112	6.58 - 10.0	1.10	0.15		
16	100	90	8.20 - 12.5	1.10	0.15		
17	120	75	9.84 - 15.0	1.10	0.2		
18	140	62	11.9 - 18.0	1.10	0.2		
19	180	51	14.5 - 22.0	1.10	0.2		
20	220	42	17.6 - 26.7	1.10	0.3		
21	260	34	21.7 - 33.0	1.10	0.3		
22	320	28	26.4 - 40.1	1.10	0.3		
23	400	22	33.0 - 50.1	1.10	0.3		
24	500	19	39.3 - 59.7	1.10	0.4		
25	620	15	49.9 - 75.8	1.10	0.5		
26	740	12	60.5 - 92.0	1.10	0.5		
27	900	10	73.8 - 112.0	1.10	0.6		
28	1200	8	92.3 - 140.0	1.15	0.8		
29	1400	6	114.0 - 173.0	1.20	1.3		
30	1800	5	145.0 - 220.0				
31	2200	4	172.0 - 261.0				
32	2600	3	220.0 - 330.0				

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