

Adjustable Loads

Summary:

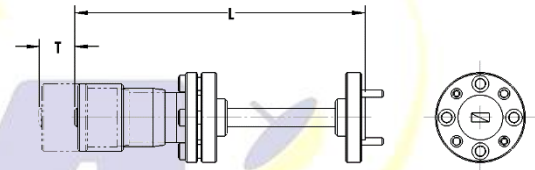
These Adjustable Loads consist of a flanged section of straight waveguide containing a geometrically optimized absorbing element driven by a precision micrometer. There is more than one half wavelength of travel at the lowest frequency of each waveguide size. The micrometers used on these loads utilize a special dampening feature making the locking type of micrometer unnecessary. Our Adjustable Loads are available in sizes WR3 to WR42. WR3 to WR12 are electroformed, WR15 and above are made from extruded waveguide.



This product is now available with a metric micrometer drive assembly

Ordering Example:

AL28S is an adjustable load in WR28 with Square flange. AL22R is an adjustable load in WR22 with Round flange.



RF Specifications				Mechanical Specifications				
Part Name	WR	Frequency (GHz)	Max VSWR	A DIM (in)	B DIM (in)	Length (in)	Travel Length (in)	Flange
AL42S	42	18 - 26.5	1.02:1	0.4200	0.1700	4.850	0.600	S 0.875
AL28S	28	26.5 - 40	1.02:1	0.2800	0.1400	4.225	0.500	S 0.750
AL22R	22	33 - 50	1.02:1	0.2240	0.1120	3.425	0.500	R 1.125
AL19R	19	40 - 60	1.02:1	0.1880	0.0940	3.225	0.500	R 1.125
AL15R	15	50 - 75	1.03:1	0.1480	0.0740	2.425	0.300	R 0.750
AL12R	12	60 - 90	1.15:1	0.1220	0.0610	2.325	0.300	R 0.750
AL10R	10	75 - 110	1.15:1	0.1000	0.0500	2.125	0.300	R 0.750
AL8R	8	90 - 140	1.15:1	0.0800	0.0400	2.025	0.300	R 0.750
AL6R	6	110 - 175	1.15:1	0.0650	0.0325	2.025	0.300	R 0.750
AL5R	5	140 - 220	1.15:1	0.0510	0.0255	2.025	0.300	R 0.750
AL4R	4	170 - 260	1.15:1	0.0430	0.0215	2.025	0.300	R 0.750
AL3R	3	220 - 325	1.15:1	0.0340	0.0170	2.025	0.300	R 0.750

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