Fixed Attenuators
18 - 325 GHz

3(WG) 109 Series

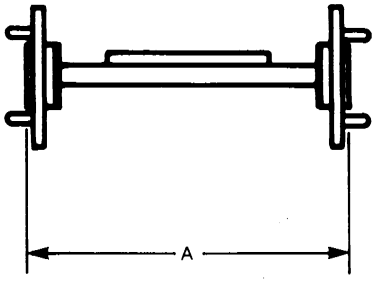
V2.00

Features

- Low and High Power
- Full Waveguide Bandwidths
- Minimum VSWR

Description

This series of attenuators provides an inexpensive method of making measurements in fixed frequency laboratory or production test set-ups. Fixed attenuators are generally designed into a system at a given frequency for a specific purpose such as detector protection. These units consist of a section of waveguide into which a fixed resistive vane is inserted.



Mechanical Specifications

Waveguide	WR-42	WR-28	WR-22	WR-19	WR-15	WR-12	WR-10	WR-08	WR-06	WR-05	WR-04	WR-03
RF Mating Flange MIL-F-3922/	54-001-M	68-001	67B-006	67B-007	67B-008	67B-009	67B-010	74-001	74-002	74-003	74-004	74-005
UG Reference	595/U	599/U	383/U	383/U-M	385/U	387/U	387/U-M	Pin Contact	Pin Contact	Pin Contact	Pin Contact	Pin Contact
Dim (Max.) Inch (mm) A	3.50 (88.9)	3.00 (76.2)	3.00 (76.2)	3.00 (76.2)	2.00 (50.8)	2.00 (50.8)	2.00 (50.8)	1.50 (38.1)	1.50 (38.1)	1.50 (38.1)	1.50 (38.1)	1.50 (38.1)

Specifications

Waveguide	Frequency (GHz)	VSWR (Max.)	Power (W)	Part Number
WR-42	18-26.5	1.15	0.70	3-42-109
WR-28	26.5-40	1.15	0.60	3-28-109
WR-22	33-50	1.15	0.60	3-22-109
WR-19	40-60	1.15	0.50	3-19-109
WR-15	50-75	1.15	0.40	3-15-109
WR-12	60-90	1.15	0.40	3-12-109
WR-10	75-110	1.15	0.30	3-10-109
WR-08	90-140	1.17	0.10	3-08-109
WR-06	110-170	1.19	0.08	3-06-109
WR-05	140-220	1.21	0.05	3-05-109
WR-04	170-260	1.25	0.03	3-04-109
WR-03	220-325	1.30	0.01	3-03-109

Notes:
1. When ordering, specify center frequency and attenuation value in 1 dB steps to 30 dB max. Contact factory for high-power options

North America: Tel. (800) 366-2266 Fax (800) 618-8883 ■ Asia/Pacific: Tel. +81 (03) 3226-1671 Fax +81 (03) 3226-1451 ■ Europe: Tel. +44 (1344) 869 595 Fax +44 (1344) 300 020