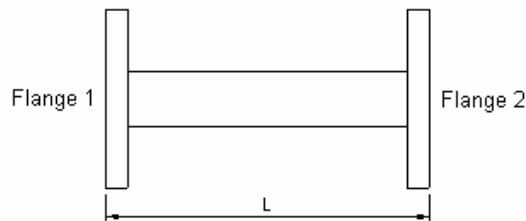




12 Waveguide Attenuator

Vector Telecom offers a series of rectangular waveguide attenuators. Typical Attenuation values are 3dB, 6dB, 10dB, 20dB and 30dB (other attenuation values available, consult sales engineers for details). The assembly construction includes a precision element for optimum electrical performance, but note that Attenuation vs. Frequency can vary greatly depending on the attenuation at a given frequency. Waveguide Fixed Attenuators with normal and high power units are also available. For more information feel free to call us and discuss your needs with one of our sales engineers.

12.1 Waveguide Fixed Attenuator



【Specifications】

Model No*	Freq Range (GHz)	VSWR (Max)	Power (W)	Attenuation** (dB)	WG Type		Flange	Material
					IEC	EIA		
VT14WFA...	1.13-1.73	1.20	2	3/6/10/20/30	R14	WR650	FDP/FDM	Al
VT18WFA...	1.45-2.20	1.20	2	3/6/10/20/30	R18	WR510	FDP/FDM	Al
VT22WFA...	1.72-2.61	1.20	2	3/6/10/20/30	R22	WR430	FDP/FDM	Al/Cu
VT26WFA...	2.17-3.30	1.20	2	3/6/10/20/30	R26	WR340	FDP/FDM	Al/Cu
VT32WFA...	2.60-3.95	1.15	2	3/6/10/20/30	R32	WR284	FDP/FDM	Al/Cu
VT40WFA...	3.22-4.90	1.15	2	3/6/10/20/30	R40	WR229	FDP/FDM	Al/Cu
VT48WFA...	3.94-5.99	1.15	2	3/6/10/20/30	R48	WR187	FDP/FDM	Al/Cu
VT58WFA...	4.64-7.05	1.15	2	3/6/10/20/30	R58	WR159	FDP/FDM	Al/Cu
VT70WFA...	5.38-8.17	1.15	2	3/6/10/20/30	R70	WR137	FDP/FDM	Al/Cu
VT84WFA...	6.57-9.99	1.15	2	3/6/10/20/30	R84	WR112	FBP/FBM/FBE	Al/Cu
VT100WFA...	8.20-12.40	1.15	2	3/6/10/20/30	R100	WR90	FBP/FBM/FBE	Al/Cu
VT120WFA...	9.84-15.0	1.15	2	3/6/10/20/30	R120	WR75	FBP/FBM/FBE	Al/Cu



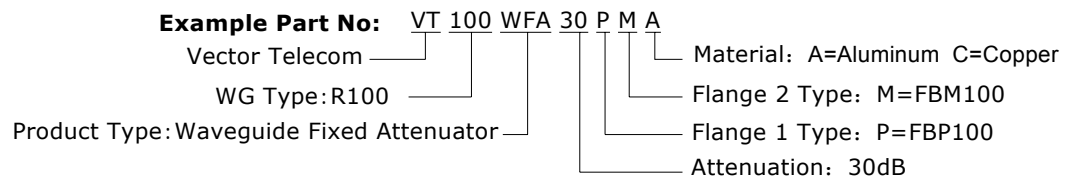
Model No*	Freq Range (GHz)	VSWR (Max)	Power (W)	Attenuation** (dB)	WG Type		Flange	Material
					IEC	EIA		
VT140WFA...	11.9-18.0	1.15	2	3/6/10/20/30	R140	WR62	FBP/FBM/FBE	Al/Cu
VT180WFA...	14.5-22.0	1.15	2	3/6/10/20/30	R180	WR51	FBP/FBM/FBE	Al/Cu
VT220WFA...	17.6-26.7	1.20	2	3/6/10/20/30	R220	WR42	FBP/FBM/FBE	Al/Cu
VT260WFA...	21.7-33.0	1.20	2	3/6/10/20/30	R260	WR34	FBP/FBM/FBE	Al/Cu
VT320WFA...	26.3-40.0	1.20	2	3/6/10/20/30	R320	WR28	FBP/FBM/FBE	Al/Cu

*Indicates Model Number. See Ordering Information for complete part number.

** Nominal Attenuation Accuracy: $\pm 0.5\text{dB}$

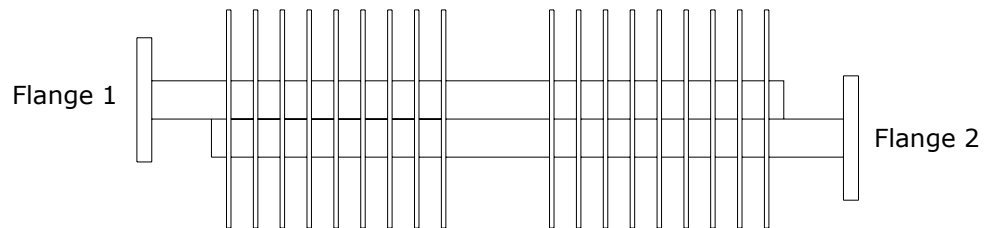
Frequency Sensitivity: $\pm 0.7\text{dB}$

【Ordering Information】



- Flange type: Multiple types available - see VT Flanges page
- Finish: Corrosion protection plus black top coat

12.2 Waveguide High Power Fixed Attenuator



【Specifications】

Model No*	Freq Range (GHz)	VSWR (Max)	Power (W)	Attenuation** (dB)	WG Type		Flange	Material
					IEC	EIA		
VT48WHPFA...	5.4-5.9	1.25	50	10/20	R48	WR187	FDP/FDM	Al/Cu
VT70WHPFA...	5.85-7.025	1.20	500	55	R70	WR137	FDP/FDM	Al/Cu
VT100WHPFA...	8.5-9.6	1.10	250	10	R100	WR90	FBP/FBM/FBE	Al/Cu
VT120WHPFA...	9.84-15.0	1.15	50	10/20/30	R120	WR75	FBP/FBM/FBE	Al/Cu
VT140WHPFA...	14.5-15.5	1.25	100	40	R140	WR62	FBP/FBM/FBE	Al/Cu
VT320WHPFA...	26.3-40.0	1.25	20	10	R320	WR28	FBP/FBM/FBE	Al/Cu



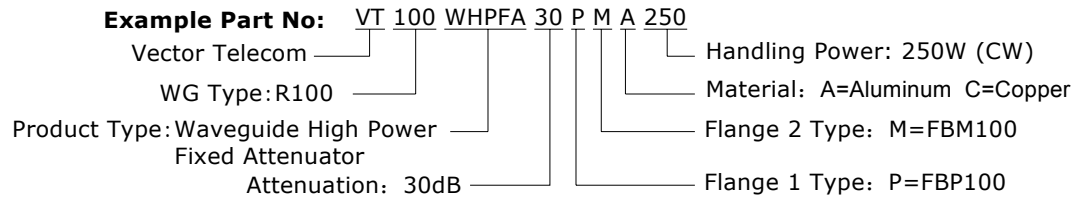
Section 1
**Waveguide
Components**

**Indicates Model Number. See Ordering Information for complete part number.*

*** Nominal Attenuation Accuracy: $\pm 0.5\text{dB}$*

Frequency Sensitivity: $\pm 0.7\text{dB}$

【Ordering Information】



- Flange type: Multiple types available - see VT Flanges page
- Finish: Corrosion protection plus black top coat

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**Waveguide
Attenuator**



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