

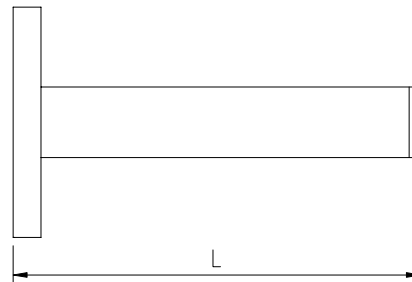


# 11 Waveguide Termination (Dummy Load)

## 11.1 Waveguide Low Power Termination



Vector Telecom's standard product line of low power terminations utilizes precision conical load elements for optimum electrical performance. This series of terminations is designed for low power input. VSWR is less than 1.05 over the full waveguide bandwidth.



### 【Specifications】

Model No*	Freq Range (GHz)	VSWR (Max)	Avg Power (W)	Length (L) (mm)	WG Type		Flange	Material
					IEC	EIA		
VT3WL1.05...	0.32-0.49	1.05	2	2005	R3	WR2300	FDP/FDM	Al
VT4WL1.05...	0.35-0.53	1.05	2	1900	R4	WR2100	FDP/FDM	Al
VT5WL1.05...	0.41-0.62	1.05	2	1600	R5	WR1800	FDP/FDM	Al
VT6WL1.05...	0.49-0.75	1.05	2	1300	R6	WR1500	FDP/FDM	Al
VT8WL1.05...	0.64-0.98	1.05	2	1100	R8	WR1150	FDP/FDM	Al
VT9WL1.03...	0.75-1.15	1.03	2	660	R9	WR975	FDP/FDM	Al
VT12WL1.05...	0.96-1.46	1.05	2	680	R12	WR770	FDP/FDM	Al
VT14WL1.03...	1.13-1.73	1.03	2	570	R14	WR650	FDP/FDM	Al
VT18WL1.05...	1.45-2.20	1.05	2	550	R18	WR510	FDP/FDM	Al/Cu
VT22WL1.03...	1.72-2.61	1.03	2	470	R22	WR430	FDP/FDM	Al/Cu
VT26WL1.03...	2.17-3.30	1.03	2	350	R26	WR340	FDP/FDM	Al/Cu
VT32WL1.03...	2.60-3.95	1.03	2	278	R32	WR284	FDP/FDM	Al/Cu
VT40WL1.03...	3.22-4.90	1.03	2	275	R40	WR229	FDP/FDM	Al/Cu
VT48WL1.03...	3.94-5.99	1.03	2	170	R48	WR187	FDP/FDM	Al/Cu
VT58WL1.03...	4.64-7.05	1.03	2	135	R58	WR159	FDP/FDM	Al/Cu
VT70WL1.03...	5.38-8.17	1.03	2	180	R70	WR137	FDP/FDM	Al/Cu
VT84WL1.03...	6.57-9.99	1.03	2	150	R84	WR112	FDP/FDM	Al/Cu

Model No*	Freq Range (GHz)	VSWR (Max)	Avg Power (W)	Length (L) (mm)	WG Type		Flange	Material
					IEC	EIA		
VT100WL1.03...	8.20-12.40	1.03	2	130	R100	WR90	FBP/FBM/FBE	Al/Cu
VT120WL1.03...	9.84-15.0	1.03	2	110	R120	WR75	FBP/FBM/FBE	Al/Cu
VT140WL1.03...	11.9-18.0	1.03	2	90	R140	WR62	FBP/FBM/FBE	Al/Cu
VT180WL1.03...	14.5-22.0	1.03	2	75	R180	WR51	FBP/FBM/FBE	Al/Cu
VT220WL1.03...	17.6-26.7	1.03	2	85	R220	WR42	FBP/FBM/FBE	Al/Cu
VT260WL1.03...	21.7-33.0	1.03	2	55	R260	WR34	FBP/FBM/FBE	Al/Cu
VT320WL1.03...	26.3-40.0	1.03	2	40	R320	WR28	FBP/FBM/FBE	Al/Cu

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

### 【Ordering Information】

**Example Part No:** VT 100 WL 1.05 M A  
 Vector Telecom \_\_\_\_\_  
 WG Type: R100 \_\_\_\_\_  
 Product Type: WG Low Power Termination \_\_\_\_\_  
 Material: A=Aluminum C=Copper  
 Flange Type: M=FBM100  
 Max VSWR: 1.05

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

## 11.2 Waveguide High Power Termination



Vector Telecom manufactures a wide selection of high power terminations. Please call us and discuss your special needs with one of our sales engineers.

### 【Specification】

Model No*	Freq Range (GHz)	VSWR** (Max)	Avg Power (W)	WG Type		Flange	Material
				IEC	EIA		
VT14WHPL100...	1.13-1.73	1.20	100	R14	WR650	FDP/FDM	Al
VT14WHPL350...	1.13-1.73	1.20	350	R14	WR650	FDP/FDM	Al
VT14WHPL500...	1.13-1.73	1.20	500	R14	WR650	FDP/FDM	Al
VT14WHPL1000...	1.13-1.73	1.20	1000	R14	WR650	FDP/FDM	Al
VT18WHPL100...	1.45-2.20	1.20	100	R18	WR510	FDP/FDM	Al/Cu



## Waveguide Termination (Dummy Load)



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Section 1  
**Waveguide  
 Components**



**Waveguide  
 Termination  
 (Dummy  
 Load)**



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 Email: [sales@vectortele.com](mailto:sales@vectortele.com)

Model No*	Freq Range (GHz)	VSWR** (Max)	Avg Power (W)	WG Type		Flange	Material
				IEC	EIA		
VT18WHPL300...	1.45-2.20	1.20	300	R18	WR510	FDP/FDM	Al/Cu
VT18WHPL500...	1.45-2.20	1.20	500	R18	WR510	FDP/FDM	Al/Cu
VT18WHPL1000...	1.45-2.20	1.20	1000	R18	WR510	FDP/FDM	Al/Cu
VT22WHPL100...	1.72-2.61	1.15	100	R22	WR430	FDP/FDM	Al/Cu
VT22WHPL250...	1.72-2.61	1.15	250	R22	WR430	FDP/FDM	Al/Cu
VT26WHPL300...	2.17-3.30	1.15	300	R26	WR340	FDP/FDM	Al/Cu
VT26WHPL800...	2.17-3.30	1.15	800	R26	WR340	FDP/FDM	Al/Cu
VT32WHPL250...	2.60-3.95	1.10	250	R32	WR284	FDP/FDM	Al/Cu
VT32WHPL500...	2.60-3.95	1.10	500	R32	WR284	FDP/FDM	Al/Cu
VT40WHPL300...	3.22-4.90	1.10	500	R40	WR229	FDP/FDM	Al/Cu
VT48WHPL70...	3.94-5.99	1.10	70	R48	WR187	FDP/FDM	Al/Cu
VT48WHPL100...	3.94-5.99	1.10	100	R48	WR187	FDP/FDM	Al/Cu
VT48WHPL400...	3.94-5.99	1.10	400	R48	WR187	FDP/FDM	Al/Cu
VT48WHPL500...	3.94-5.99	1.10	500	R48	WR187	FDP/FDM	Al/Cu
VT48WHPL1000...	3.94-5.99	1.10	1000	R48	WR187	FDP/FDM	Al/Cu
VT58WHPL50...	4.64-7.05	1.10	50	R58	WR159	FDP/FDM	Al/Cu
VT58WHPL800...	4.64-7.05	1.10	800	R58	WR159	FDP/FDM	Al/Cu
VT70WHPL75...	5.38-8.17	1.10	75	R70	WR137	FDP/FDM	Al/Cu
VT70WHPL150...	5.38-8.17	1.10	150	R70	WR137	FDP/FDM	Al/Cu
VT70WHPL200...	5.38-8.17	1.10	200	R70	WR137	FDP/FDM	Al/Cu
VT70WHPL250...	5.38-8.17	1.10	250	R70	WR137	FDP/FDM	Al/Cu
VT70WHPL300...	5.38-8.17	1.10	300	R70	WR137	FDP/FDM	Al/Cu
VT70WHPL500...	5.38-8.17	1.10	500	R70	WR137	FDP/FDM	Al/Cu
VT70WHPL550...	5.38-8.17	1.10	550	R70	WR137	FDP/FDM	Al/Cu
VT84WHPL300...	6.57-9.99	1.10	300	R84	WR112	FDP/FDM	Al/Cu
VT84WHPL500...	6.57-9.99	1.10	500	R84	WR112	FDP/FDM	Al/Cu
VT100WHPL100...	8.20-12.40	1.10	100	R100	WR90	FDP/FDM	Al/Cu
VT100WHPL200...	8.20-12.40	1.10	200	R100	WR90	FDP/FDM	Al/Cu
VT100WHPL300...	8.20-12.40	1.10	300	R100	WR90	FDP/FDM	Al/Cu
VT120WHPL50...	9.84-15.0	1.10	50	R120	WR75	FDP/FDM	Al/Cu
VT120WHPL75...	9.84-15.0	1.10	75	R120	WR75	FDP/FDM	Al/Cu
VT120WHPL150...	9.84-15.0	1.10	150	R120	WR75	FDP/FDM	Al/Cu
VT120WHPL200...	9.84-15.0	1.10	200	R120	WR75	FDP/FDM	Al/Cu
VT120WHPL400...	9.84-15.0	1.10	400	R120	WR75	FDP/FDM	Al/Cu
VT140WHPL50...	11.9-18.0	1.10	50	R140	WR62	FDP/FDM	Al/Cu
VT140WHPL100...	11.9-18.0	1.10	100	R140	WR62	FDP/FDM	Al/Cu



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## Section 1

### Waveguide Components

Model No*	Freq Range (GHz)	VSWR** (Max)	Avg Power (W)	WG Type		Flange	Material
				IEC	EIA		
VT140WHPL200...	11.9-18.0	1.10	200	R140	WR62	FBP/FBM/FBE	Al/Cu
VT140WHPL300...	11.9-18.0	1.10	300	R140	WR62	FBP/FBM/FBE	Al/Cu
VT140WHPL400...	11.9-18.0	1.10	400	R140	WR62	FBP/FBM/FBE	Al/Cu
VT140WHPL500...	11.9-18.0	1.10	500	R140	WR62	FBP/FBM/FBE	Al/Cu
VT180WHPL50...	14.5-22.0	1.15	50	R180	WR51	FBP/FBM/FBE	Al/Cu
VT180WHPL500...	14.5-22.0	1.15	500	R180	WR51	FBP/FBM/FBE	Al/Cu
VT220WHPL100...	17.6-26.7	1.15	100	R220	WR42	FBP/FBM/FBE	Al/Cu
VT220WHPL200...	17.6-26.7	1.15	200	R220	WR42	FBP/FBM/FBE	Al/Cu
VT260WHPL100...	21.7-33.0	1.15	100	R260	WR34	FBP/FBM/FBE	Al/Cu
VT320WHPL30...	26.3-40.0	1.15	30	R320	WR28	FBP/FBM/FBE	Al/Cu
VT400WHPL10...	32.9-50.1	1.15	10	R400	WR22	FUGP	Cu
VT400WHPL20...	32.9-50.1	1.15	20	R400	WR22	FUGP	Cu

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

\*\*VSWR refers to 30% of waveguide bandwidth.

### 【Ordering Information】

**Example Part No:** VT 100 WHPL 300 M A

Vector Telecom ——— |  
 WG Type: R100 ——— |  
 Product Type: WG High Power Termination ——— |

Material: A=Aluminum C=Copper  
 Flange Type: M=FBM100  
 Power Handling(Max): 300W(Avg)

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



## Waveguide Termination (Dummy Load)



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