



14 Waveguide Filter

14.1 Waveguide Band-pass Filter



【Specifications】

Model No*	WG Type EIA	Band	Pass Band (GHz)	Rejection Band (GHz)	VSWR	IL (dB)	Isolation (dB)	Material
VT70WBPF	WR137	C	5.85-6.425	3.4-4.2	≤1.20	≤0.4	≥70	Cu
VT84WBPF	WR112	X	7.9-8.4	7.25-7.75	≤1.20	≤0.6	≥60	Cu
VT100WBPF	WR90	X	8-9	7.125-7.235	≤1.20	≤0.5	≥30	Cu
VT120WBPF	WR75	Ku	11.7-12.75	14-14.5	≤1.20	≤0.3	≥55	Cu
VT140WBPF	WR62	Ku	13.3-13.7	15.3-15.5	≤1.20	≤0.3	≥50	Cu
VT220WBPF	WR42	Ka	20-22	30-31	≤1.25	≤0.5	≥50	Cu
VT260WBPF	WR34	Ka	24.5~27	≤22GHz ≤20GHz	≤1.20	≤0.3	≥40 ≥60	Cu
VT320WBPF	WR28	Ka	30.5-31.3	26-28.35GHz	≤1.20	≤0.6	≥70	Cu

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

14.2 Waveguide High-pass Filter



【Specifications】

Model No*	WG Type EIA	Band	Pass Band (GHz)	Rejection Band (GHz)	VSWR	IL (dB)	Isolation (dB)	Material
VT260WHPF	WR34	Ka	25-26	16	≤1.2	≤0.2	≥80	Cu
VT320WHPF	WR28	Ka	29-31.2	19-21	≤1.2	≤0.2	≥70	Cu

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



14.3 Waveguide Low-pass Filter



【Specifications】

Model No*	WG Type EIA	Band	Pass Band (GHz)	Rejection Band (GHz)	VSWR	IL(dB)	Isolation (dB)	Material
VT40WLPF	WR229	C	4.5-4.8	6.725-7.025	≤1.2	≤0.3	≥55	Al
VT120WLPF	WR75	Ku	11.6-12.8	13.5-15	≤1.2	≤0.25	≥60	Cu
VT220WLPF	WR42	Ka	20.4-20.9	30-31	≤1.2	≤0.3	≥55	Cu

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

【Ordering Information】

Example Part No: VT 100 WLPF C
 Vector Telecom | Material: A=Aluminum C=Copper
 WG Type: R100 | Product Type: WG Low Pass Filter

Code	Description
WBPF	Waveguide Band-pass Filter
WHPF	Waveguide High-pass Filter
WLPF	Waveguide Low-pass Filter

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