



8.3.2 Double Ridged Broadwall Directional Coupler

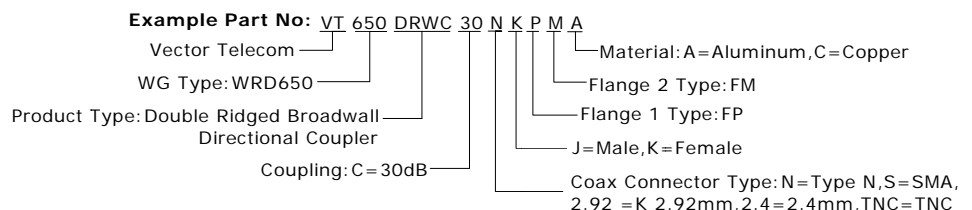


【DRWC Specifications】

Model No*	WG Type EIA	Freq Range (GHz)	Optional Coupling.. (dB)	Coupling Flatness (dB)	Directivity (dB)	Main line VSWR	Secondary line VSWR	Flange	Connector	Material
VT84DRWC...N	WRD84	0.84-2	20~60	±1.5	≥25	1.10	1.50	FP	N Female	Al
VT150DRWC...N	WRD150	1.5-3.6	20~60	±1.5	≥25	1.10	1.50	FP	N Female	Al
VT200DRWC...N	WRD200	2-4.8	20~60	±1.5	≥25	1.10	1.50	FP	N Female	Al
VT250DRWC...N	WRD250	2.6-7.8	20~60	±1.5	≥25	1.10	1.50	FP	N Female	Al
VT350DRWC...N	WRD350	3.5-8.2	20~60	±1.5	≥25	1.10	1.50	FP	N Female	Al
VT475DRWC...N	WRD475	4.75-11	20~60	±1.5	≥25	1.10	1.50	FP	N Female	Al
VT500DRWC...N	WRD500	5-18	20~60	±1.5	≥25	1.10	1.50	FP	N Female	Al
VT580DRWC...N	WRD580	5.8-16	20~60	±1.5	≥25	1.10	1.50	FP	N Female	Al
VT650DRWC...N	WRD650	6.5-18	20~60	±1.5	≥25	1.10	1.5	FP	N Female	Al
VT750DRWC...N	WRD750	7.5-18	20~60	±1.5	≥25	1.10	1.25	FP	N Female	Al
VT700DRWC...N	WRD700	7-18.5	20~60	±1.5	≥25	1.10	1.25	FP	N Female	Al
VT1100DRWC...N	WRD110	11-26.5	20~60	±1.5	≥25	1.10	1.25	FP	SMA Female	Cu
VT1800DRWC...N	WRD180	18-40	20~60	±1.5	≥25	1.10	1.25	FP	SMA Female	Cu

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

【Ordering Information】



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

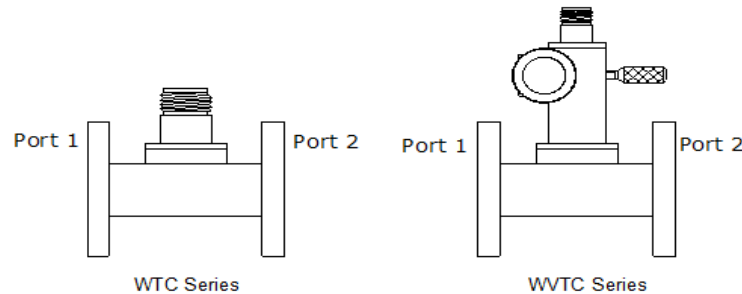
8.4 Waveguide Probe Coupler





Vector Telecom offers waveguide probe couplers with two types of fixed probe couplers and adjustable probe couplers. It is no directionless and is often used for simple detection in waveguide systems.

8.4.1 Waveguide Probe Coupler



【Specifications】

Model No*	WG Type EIA	Freq Range (GHz)	Optional Coupling... (dB)	Connector	Main line VSWR	Flange	Material
VT40WTC...N	WR229	3.22-4.90	30~60	N Female	1.05	FDP	Al
VT48WTC...N	WR187	3.94-5.99	30~60	N Female	1.05	FDP	Al
VT58WTC...N	WR159	4.64-7.05	30~60	N Female	1.05	FDP	Al
VT70WTC...N	WR137	5.38-8.17	30~60	N Female	1.05	FDP	Al
VT84WTC...N	WR112	6.57-9.99	30~60	N Female	1.05	FBP	Cu
VT100WTC...N	WR90	8.20-12.40	30~60	N Female	1.05	FBP	Cu
VT120WTC...N	WR75	9.84-15.0	30~60	N Female	1.05	FBP	Cu
VT140WTC...N	WR62	11.9-18.0	30~60	SMA Female	1.05	FBP	Cu
VT180WTC...N	WR51	14.5-22.0	30~60	SMA Female	1.05	FBP	Cu
VT220WTC...N	WR42	17.6-26.7	30~60	2.92 Female	1.10	FBP	Cu
VT260WTC...N	WR34	21.7-33.0	30~60	2.92 Female	1.10	FBP	Cu
VT320WTC...N	WR28	26.5-40.0	30~60	2.92 Female	1.10	FBP	Cu

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

【Ordering Information】

Example Part No: VT 100 WTC 30 N K P M A

Vector Telecom — VT
 WG Type: R100 — 100
 Product Type: WG Probe Coupler — WTC
 Coupling: C = 30dB — 30
 Coax Connector Type: N=Type N, S=SMA, 2.92 = K 2.92mm, 2.4 = 2.4mm, TNC=TNC — N
 J=Male, K=Female — K
 Flange 1 Type: FP — P
 Flange 2 Type: FM — M
 Material: A=Aluminum, C=Copper — A

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



8.4.2 Circular Waveguide Probe Coupler



【Specifications】

Model No*	Freq Range (GHz)	VSWR	Coupling (dB)	Inner Diameter (mm)	Connector	Material	Finish
VT100CWTC...	2.0~4.0	1.1	30	100	N Female	Al	Chromate conversion
VT61.04CWTC...	3.3~3.8	1.1	30	61.04	N Female	Al	Chromate conversion
VT51.99CWTC...	3.89~5.33	1.1	30	51.99	N Female	Al	Chromate conversion
VT37CWTC...	4.5~6.5	1.1	30	37	N Female	Al	Chromate conversion
VT27.78CWTC...	7.4~9.0	1.1	30	27.78	SMA Female	Al	Chromate conversion
VT23.825CWTC...	9.1~10.0	1.1	30	23.825	SMA Female	Al	Chromate conversion
VT20.244CWTC...	8.5~10.5	1.1	30	20.244	SMA Female	Al	Chromate conversion
VT14CWTC...	15.0~17.0	1.1	30	14	SMA Female	Cu	Silver Plating
VT11.25CWTC...	18.2~24.9	1.1	30	11.25	SMA Female	Cu	Silver Plating
VT11CWTC...	17.7~21.2	1.1	30	11.00	SMA Female	Cu	Silver Plating
VT7.137CWTC...	27.5~31	1.1	30	7.14	SMA Female	Cu	Silver Plating

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

【Ordering Information】

Example Part No: VT 100 CWTC 30 N K P M A

Vector Telecom — VT
 WG Type: R100 — 100
 Product Type: Circular Waveguide Probe Coupler — CWTC
 Coupling: C=30dB — 30
 Coax Connector Type: N=Type N, S=SMA, 2.92 =K 2.92mm, 2.4=2.4mm, TNC=TNC — N
 J=Male, K=Female — K
 Flange 1 Type: FBP100 — P
 Flange 2 Type: FBM100 — M
 Material: A=Aluminum, C=Copper — A

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