List Valid on Monday, 2nd November, 2026

Attenuators, Variable, Calibrated - Series 020

Model	WG Size	Frequency band	Flange	VSWR	Insertion Loss	QTY
21020	WG21 WR34 R260	21.7 GHz to 33 GHz	UBR260	1.07 MAX	0.35 dB MAX	1
22020	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UBR320	1.07 MAX	0.4 dB MAX	3
24020	WG24 WR19 R500	39.3 GHz to 60 GHz	UG-383/U-MOD	1.07 MAX	0.20 dB MAX	1
25020	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U-AC	1.07 MAX	0.20 dB MAX	1
27020-AB	WG27 WR10 R900	73.8 GHz to 112 GHz	UG-387/U-Mod Comp	1.1 MAX	0.4 dB MAX	1
32020	WG32 -- R2600	217 GHz to 330 GHz	UG-387/U-Mod-PF	1.2 MAX	0.7 dB MAX	1
570020	WM-570 --- ---	330 GHz to 500 GHz	UG-387/U-MOD-PF	1.33 MAX	1.5 dB MAX	1

Attenuator, Fixed - Series 081

Model	WG Size	Frequency band	Flange	Attenuation Value	VSWR	QTY
15081-10	WG15 WR112 R84	6.58 GHz to 10 GHz	UBR84	10 dB +/- 1.0 dB	1.1 MAX	1
17081-10	WG17 WR75 R120	9.84 GHz to 15 GHz	UBR120	10 dB +/- 1.0 dB	1.1 MAX	6
17081-40	WG17 WR75 R120	9.84 GHz to 15 GHz	UBR120	40 dB +/- 4.0 dB	1.2 MAX	4
18081-20	WG18 WR62 R140	11.9 GHz to 18 GHz	UBR140	20 dB +/- 2 dB	1.1 MAX	3
20081-06	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UBR220	6 dB +/- 0.6 dB	1.1 MAX	2
22081-06	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U	6 dB +/- 0.6 dB	1.1 MAX	1
22081-10	WG22 WR28 R320	26.4 GHz to 40.1 GHz	PBR320	10 dB +/- 1.0 dB	1.1 MAX	5
22081-20	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U	20 dB +/- 2 dB	1.1 MAX	2
26081-10	WG26 WR12 R740	60.5 GHz to 92 GHz	UG-387/U	10 dB +/- 1 dB	1.1 MAX	2
26081-20	WG26 WR12 R740	60.5 GHz to 92 GHz	UG-387/U-AC	20 dB +/- 2 dB	1.1 MAX	1

Attenuator, Precision, Rotary - Series 110

Model	WG Size	Frequency band	Flange	VSWR	Insertion Loss	QTY
26110	WG26 WR12 R740	60.5 GHz to 92 GHz	UG-387/U-AC	1.15 MAX	1.3 dB MAX	2
29110	WG29 WR6 R1400	114 GHz to 173 GHz	UG387/U-MOD-AC			1
32110	WG32 -- R2600	217 GHz to 330 GHz	1785-2a	1.5 MAX	3.0 dB MAX	1

Attenuator, Fixed, Precision, Offset Ports - Series 582

Model	WG Size	Frequency band	Flange (port 1)	Flange (port 2)	Attenuation Value	Power (mean or cw)	VSWR	QTY
27582-20	WG27 WR10 R900	73.8 GHz to 112 GHz	UG-387/U-Mod	UG-387/U-Mod	20 dB	300 mW MAX	1.10 MAX	1

Attenuator, Fixed - Series 587

Model	WG Size	Frequency band	Flange	Attenuation Value	VSWR	QTY
26587-20	WG26 WR12 R740	60 GHz to 92 GHz	UG387/U-AC	20 dB	1.2 MAX	27

System Programmable Attenuator, Series 624 - Series 624

Model	WG Size	Frequency band	Flange	Data protocol	Attenuation Range	VSWR	Insertion Loss	QTY
26624-01	WG26 WR12 R740	60 GHz to 92 GHz	UG-387/U-AC	Ethernet	0 dB to 50 dB	1.15 MAX	1.4 dB MAX	1

Directional Coupler, Multihole - Series 131

Model	WG Size	Frequency band	Flange	Port 1 to Port 3 Coupling Value	QTY
18131-40-4P	WG18 WR62 R140	11.9 GHz to 18 GHz	UBR140	40 dB	1
22131-03	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U	3 dB	1

Directional Coupler, Multihole - Series 132

Model	WG Size	Frequency band	Flange	Port 1 to Port 3 Coupling Value	QTY
22132-03	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U	3 dB	1

Directional Coupler, Multihole - Series 136

Model	WG Size	Frequency band	Flange	Port 1 to Port 3 Coupling Value	Directivity	Secondary arm VSWR	QTY
23136-03	WG23 WR22 R400	33 GHz to 50.1 GHz	UG-383/U-AC	3 dB	40 dB MIN	1.10 MAX	2
25136-03	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U-AC	3 dB	38 dB MIN	1.10 MAX	1
25136-20	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U	20 dB	38 dB MIN	1.10 MAX	1
25136-30	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U-PD	30 dB	38 dB MIN	1.10 MAX	1
25136-40	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U-PD	40 dB	35 dB MIN	1.10 MAX	1
26136-10	WG26 WR12 R740	60.5 GHz to 92 GHz	UG-387/U	10 dB	38 dB MIN	1.10 MAX	1
27136-06	WG27 WR10 R900	73.8 GHz to 112 GHz	UG-387/U-Mod-AC	6 dB	36 dB MIN	1.10 MAX	1
28136-06	WG28 WR8 R1200	92.3 GHz to 140 GHz	UG-387/U-Mod	6 dB	34 dB MIN	1.15 MAX	2
28136-10	WG28 WR8 R1200	92.3 GHz to 140 GHz	UG-387/U-Mod-AC	10 dB	34 dB MIN	1.15 MAX	1
29136-10	WG29 WR6 R1400	114 GHz to 173 GHz	UG-387/U-Mod-AC	10 dB	32 dB MIN	1.20 MAX	1
29136-03-4P	WG29 WR6 R1400	114 GHz to 173 GHz	UG-387/U-Mod-AC	3 dB		1.20:1	1
29136-06-4P	WG29 WR6 R1400	114 GHz to 173 GHz	UG-387/U-Mod-AC	6 dB		1.20:1	1
29136-30-11641	WG29 WR6 R1400	114 GHz to 173 GHz	1785-2a	30 dB	32 dB MIN	1.20 MAX	1
30136-03	WG30 WR5 R1800	145 GHz to 220 GHz	UG-387/U-Mod-PF	3 dB	30 dB MIN	1.25 MAX	1
30136-06	WG30 WR5 R1800	145 GHz to 220 GHz	UG387/U-Mod	6 dB	30 dB MIN	1.25 MAX	1
32136-03	WG32 -- R2600	217 GHz to 330 GHz	UG-387/U-Mod-PF	3 dB	26 dB MIN	1.40 MAX	1

Directional Coupler, Multihole - Series 137

Model	WG Size	Frequency band	Flange	Port 1 to Port 3 Coupling Value	Directivity	Secondary arm VSWR	QTY
24137-03	WG24 WR19 R500	39.3 GHz to 59.7 GHz	UG-383/U-PD	3 dB	42 dB MIN	1.10 MAX	1

Directional Coupler, Multihole - Series 137

Model	WG Size	Frequency band	Flange	Port 1 to Port 3 Coupling Value	Directivity	Secondary arm VSWR	QTY
25137-06	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U-PF	6 dB	42 dB MIN	1.10 MAX	1
28137-10	WG28 WR8 R1200	92.3 GHz to 140 GHz	UG-387/U-Mod-PF	10 dB	38 dB MIN	1.15 MAX	1
570137-03-AA	WM-570 --- ---	330 GHz to 500 GHz	UG-387/U-Mod-PF	3 dB	26 dB MIN	2.00	3

Dual Directional Coupler, Multihole - Series 300

Model	WG Size	Frequency band	Flange	Configuration	Port 1 to Port 3 Coupling Value	Port 2 to Port 4 Coupling Value	QTY
21300-AF	WG21 WR34 R260	21.7 GHz to 33 GHz	UBR260	A	30 dB	40 dB	1

Dual Directional Coupler, Multihole - Series 301

Model	WG Size	Frequency band	Port 1 Interface	Port 2 Interface	Port 3 Interface	Port 4 Interface	Configuration	Port 1 to Port 3 Coupling Value	Port 2 to Port 4 Coupling Value	QTY
23301-12585	WG23 WR22 R400	33 GHz to 50.1 GHz	UG-383/U	UG-383/U	UG-383/U	UG-383/U	E	30 dB		1
27301-AE	WG27 WR10 R900	75 GHz to 110 GHz	UG-387/U-PD	UG-387/U-PD	UG-387/U-PD	UG-387/U-PD	C	10.0 dB	10.0 dB	1
27301-9521	WG27 WR10 R900	75 GHz to 110 GHz	1785.2a	UG-387/U-PD	UG-387/U-PD	UG-387/U-PD	C	10.0 dB	10.0 dB	2
27301-11188	WG27 WR10 R900	75 GHz to 110 GHz	1785-2a	UG-387/U-PF	UG-387/U-PF	UG-387/U-PF	C	20.0 dB	20.0 dB	1
570301-10464	WM-570 --- ---	325 GHz to 500 GHz	1785.2a	1785.2a	1785.2a	1785.2a	C	5 dB	10 dB	1

Termination, Precision, Low Power - Series 040

Model	WG Size	Frequency band	Flange	Power natural convection (mean or CW)	VSWR	QTY
11A040	WG11A WR229 R40	3.22 GHz to 4.9 GHz	UDR40	6 W MAX	1.01 MAX	3
14040	WG14 WR137 R70	5.38 GHz to 8.18 GHz	UDR70	3 W MAX	1.01 MAX	3
15040	WG15 WR112 R84	6.58 GHz to 10 GHz	UBR84	2 W MAX	1.01 MAX	1
17040	WG17 WR75 R120	9.84 GHz to 15 GHz	UBR120	750 mW MAX	1.015 MAX	2
30040	WG30 WR5 R1800	140 GHz to 220 GHz	UG-387/U-Mod-PF	120 mW MAX	1.06 MAX	1
31040	WG31 -- R2200	170 GHz to 261 GHz	UG-387/U-M-PF	100 mW MAX	1.08 MAX	1

Termination, Fixed, Precision Grade - Series 043

Model	WG Size	Frequency band	Flange	VSWR	QTY
14043	WG14 WR137 R70	5.38 GHz to 8.18 GHz	UAR70-PF	1.01 MAX	1
18043	WG18 WR62 R140	11.9 GHz to 18 GHz	UBR140-PF	1.02 MAX	2
20043	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UBR220-PF	1.02 MAX	3
21043	WG21 WR34 R260	21.7 GHz to 33 GHz	UG-1530/U-PF	1.02 MAX	1

Termination, Fixed, Precision Grade - Series 043

Model	WG Size	Frequency band	Flange	VSWR	QTY
22043	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U-PF	1.02 MAX	1
23043	WG23 WR22 R400	33 GHz to 50.1 GHz	UG-383/U-PF	1.02 MAX	3
24043	WG24 WR19 R500	39.3 GHz to 60 GHz	UG-383/U-PF	1.02 MAX	1
25043	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U-PF	1.02 MAX	3
27043	WG27 WR10 R900	73.8 GHz to 112 GHz	UG387/U-PF	1.03 MAX	3
29043	WG29 WR6 R1400	110 GHz to 173 GHz	UG-387/U-Mod-PF	1.045 MAX	3
30043	WG30 WR5 R1800	140 GHz to 220 GHz	UG-387/U-Mod-PF	1.055 MAX	2
31043	WG31 -- R2200	170 GHz to 261 GHz	UG-387/U-Mod-PF	1.07 MAX	5
WRD180043	--- WRD180 ---	18 GHz to 40 GHz	C1A-PF	1.04 MAX	1

Termination, Fixed, Metrology Grade - Series 044

Model	WG Size	Frequency band	Flange	VSWR	QTY
30044	WG30 WR5 R1800	140 GHz to 220 GHz	1785-2a	1.055 MAX	2

Termination, Precision, Low Power, Bronze Grade - Series 045

Model	WG Size	Frequency band	Flange	VSWR	QTY
15045	WG15 WR112 R84	6.58 GHz to 10 GHz	UBR84-PF	1.01 MAX	2
16045	WG16 WR90 R100	8.2 GHz to 12.5 GHz	UBR100-PF	1.015 MAX	2
16045-5509	WG16 WR90 R100	8.2 GHz to 12.5 GHz	WR90Imperial	1.02 MAX	3
17045	WG17 WR75 R120	9.84 GHz to 15 GHz	UBR120-PF	1.015	3
18045	WG18 WR62 R140	11.9 GHz to 18 GHz	UBR140-PF	1.02 MAX	2
19045	WG19 WR51 R180	14.5 GHz to 22 GHz	UBR180-PF	1.02 MAX	1
20045	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UBR220-PF	1.02 MAX	1
21045	WG21 WR34 R260	21.7 GHz to 33 GHz	UBR260-PF	1.02 MAX	2
23045	WG23 WR22 R400	33 GHz to 50.1 GHz	UG383/U-PF	1.02 MAX	1
24045	WG24 WR19 R500	39.3 GHz to 60 GHz	UG-383/U-PF	1.02 MAX	1
25045	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG385/U-PF	1.02 MAX	3
25045	WG25 WR15 R620	49.9 GHz to 75.8 GHz	1785-2a	1.02 MAX	2
26045	WG26 WR12 R740	60 GHz to 92 GHz	UG-387/U-PF	1.03 MAX	3
26045	WG26 WR12 R740	60 GHz to 92 GHz	1785.2a	1.03 MAX	3
570045	WM-570 --- ---	330 GHz to 500 GHz	1785-2a	1.13 MAX	1
WRD580045-4564	--- WRD580 ---	5.9 GHz to 16 GHz	C1A	1.09 MAX	1

Termination, High Power - Series 101

Model	WG Size	Frequency band	Flange	VSWR	Power natural convection (mean or CW)	QTY
14101-50-CN00	WG14 WR137 R70	5.38 GHz to 8.18 GHz	UAR70	1.08 MAX	50 W MAX	1
16101-200-CH10	WG16 WR90 R100	8.2 GHz to 12.5 GHz	UBR100	1.08 MAX	200 W MAX	2
17101-1600	WG17 WR75 R120	9.84 GHz to 15 GHz	UBR120	1.08 MAX	1.6 kW MAX	1
19101-500-CV10	WG19 WR51 R180	14.5 GHz to 22 GHz	UBR180	1.08 MAX	500 W MAX	1

Termination, High Power - Series 101

Model	WG Size	Frequency band	Flange	VSWR	Power natural convection (mean or CW)	QTY
23101-6-CN00	WG23 WR22 R400	33 GHz to 50.1 GHz	UG-383/U	1.1 MAX	6 W MAX	1
23101-500-CV20	WG23 WR22 R400	33 GHz to 50.1 GHz	UG-383/U	1.12 MAX	500 W MAX	1
WRD650101-450-CV10	--- WRD650 ---	6.5 GHz to 18 GHz	C1A	1.1 MAX	450 W MAX	1

Termination, Sliding, Silver Grade - Series 542

Model	WG Size	Frequency band	Flange	Element Return Loss	QTY
17542	WG17 WR75 R120	9.84 GHz to 15 GHz	UBR120-PF	30 dB +/- 4 dB	2
18542	WG18 WR62 R140	11.9 GHz to 18 GHz	UBR140-PF	30 dB +/- 4 dB	1
19542	WG19 WR51 R180	14.5 GHz to 22 GHz	UBR180-PF	30 dB +/- 4 dB	1

Termination, Sliding, Metrology Grade - Series 543

Model	WG Size	Frequency band	Flange	Element Return Loss	QTY
18543	WG18 WR62 R140	11.9 GHz to 18 GHz	UBR140-PF	30 dB +/- 4 dB	1
25543	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG385/U-PF	30 dB +/- 5 dB	1

Frequency Meter, Programmable - Series 073

Model	WG Size	Frequency band	Flange	Loaded Q (typical)	Housing VSWR	Insertion Loss	QTY
32073	WG32 -- R2600	217 GHz to 330 GHz	UG-387/U-Mod-PF	350	1.35 MAX	1.9 dB MAX	1

Satcom Switch, DC 2 Way - Series 336

Model	WG Size	Frequency band	Flange	Isolation	Power (mean or cw)	VSWR	Insertion Loss	QTY
22336-000S1JL01	WG22 WR28 R320	26.4 GHz to 40.1 GHz		75 dB MIN	800 W MAX	1.08 MAX	0.10 dB MAX	1

Hybrid Tee, Matched, Full band - Series 385

Model	WG Size	Frequency band	Flange	VSWR	Insertion Loss	QTY
22385	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG599/U	1.3 MAX	0.2 dB MAX	2

Tee, Matched, E Plane - Series 400

Model	WG Size	Frequency band	Flange	Balance between colinear ports	VSWR	Insertion Loss	QTY
18400	WG18 WR62 R140	11.9 GHz to 18 GHz	UBR140	0.1 dB MAX	1.12 MAX	0.12 dB MAX	1

Horn, Standard Gain - Series 240

Model	WG Size	Frequency band	Flange	Nominal Gain	VSWR	QTY
DP240-AB	COAX	2 GHz to 18 GHz	SMA		2.5 MAX	1
15240-20\AL	WG15 WR112 R84	6.58 GHz to 10 GHz	UBR84	20 dBi	1.2 MAX	1
16240-20	WG16 WR90 R100	8.2 GHz to 12.5 GHz	UBR100	20 dBi	1.2 MAX	2
18240-20	WG18 WR62 R140	11.9 GHz to 18 GHz	UBR140	20 dBi	1.2 MAX	2
20240-20	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UBR220	20 dBi	1.2 MAX	2
20240-25-000	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UBR220	25 dBi	1.2 MAX	3
22240-20	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U	20 dBi	1.2 MAX	2

Horn, Standard Gain - Series 240

Model	WG Size	Frequency band	Flange	Nominal Gain	VSWR	QTY
22240-25-000	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U	25 dBi	1.2 MAX	1
22240-15-PB0	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U	15 dBi	1.2 MAX	3
22240-17	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U	17 dBi	1.2 MAX	1
24240-20	WG24 WR19 R500	39.3 GHz to 59.7 GHz	UG-383/U-Mod	20 dBi	1.2 MAX	2
25240-EC0-20	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U	20 dBi	1.2 MAX	2
26240-25	WG26 WR12 R740	60.5 GHz to 92 GHz	UG-387/U	25 dBi	1.2 MAX	2
26240-20	WG26 WR12 R740	60.5 GHz to 92 GHz	UG-387/U	20 dBi	1.2 MAX	4
27240-30	WG27 WR10 R900	73.8 GHz to 112 GHz	UG-387/U-Mod	30 dBi	1.20 MAX	1
30240-20-101	WG30 WR5 R1800	145 GHz to 220 GHz	1785-2a	20 dBi	1.2 MAX	1
32240-20-101	WG32 -- R2600	217 GHz to 330 GHz	1785-2a	20 dBi	1.2 MAX	2

Omni Directional Antenna - Series 249

Model	WG Size	Frequency band	Connector	Nom mid-band gain	VSWR	QTY
MD249-AC	COAX	36 GHz to 43.5 GHz	2.4mm Female	1.0 dBi Ref. Only	1.60 MAX	2
MD249-10702	COAX	17 GHz to 21 GHz	K Female	2.0 dBi Ref. Only	1.75 MAX	1

Lens Horn Antenna (Economy) - Series 820

Model	WG Size	Frequency band	Flange	Nom mid-band gain	Lens Diameter	VSWR	QTY
21820-RA-4857	WG21 WR34 R260	21.7 GHz to 33 GHz	UBR260-PF	31.5 dBi	175 mm	1.5 MAX	1
26820-WA-2919	WG26 WR12 R740	71 GHz to 86 GHz	UG-387/U Comp	39.33 dBi	125 mm	1.6 MAX	3

Lens Horn Antenna (High Performance) - Series 880

Model	WG Size	Frequency band	Flange	Nom mid-band gain	Lens Diameter	VSWR	QTY
CW880-FB-11857	NOT SPECIFIED	33 GHz to 37 GHz	UG-383/U comp	33.5 dBi MIN	150 mm	1.4 MAX	1
CL880-FA-3328	COAX	7 GHz to 8 GHz	N Type Female	20 dBi		1.25 MAX	35

Filter, Low Pass - Series 280

Model	WG Size	Stop band frequency range	Port 1 Interface	Port 2 Interface	VSWR	Insertion Loss	QTY
19280-4567-OBSOLETE	WG19 WR51 R180	29 GHz to 66 GHz	UBR180	UBR180	1.15 MAX	0.35 dB MAX	5
21280	WG21 WR34 R260	43.4 GHz to 99 GHz	UBR260	UBR260	1.2 MAX	0.45 dB MAX	1
23280-OBSOLETE	WG23 WR22 R400	66 GHz to 150.3 GHz	UG-383/U	Not Specified	1.3 MAX	0.5 dB MAX	1
23280-OBSOLETE	WG23 WR22 R400	66 GHz to 150.3 GHz	UG383/U-AC	UG-383/U-AC	1.3 MAX	0.5 dB MAX	1
26280-2515	WG26 WR12 R740	103 GHz to 120 GHz	UG387/U-Mod	Not Specified	1.45 MAX	0.6 dB MAX	3
27280-2513	WG27 WR10 R900	125 GHz to 147.6 GHz	UG387/U-Mod	UG387/U-Mod	1.55 MAX	0.7 dB MAX	1

Filter, Band Stop Fixed - Series 283

Model	WG Size	Passband frequency range	Flange	Stop band frequency range	Stop band rejection	Return Loss	QTY
27283-11723	WG27 WR10 R900	93 GHz to 95.5 GHz	UG-387/U-MOD	85.5 MHz to 87 GHz			3

Filter, Band Pass, Broadband - Series 284

Model	WG Size	Frequency band	Flange	VSWR	Insertion Loss	QTY
17284-10385	WG17 WR75 R120	10.7 GHz to 14.8 GHz	tbc	1.1 MAX	0.45 dB MAX	1

Diplexer - Series 286

Model	WG Size	Frequency band	Flange	Stop band frequency range	VSWR	Insertion Loss	QTY
17286-10811	WG17 WR75 R120	10.7 GHz to 13.85 GHz	Not Specified			0.4 dB MAX	1
26286-3932	WG26 WR12 R740	Common port	UG-387/U compatible	0 Hz to 69.5 GHz	1.5 MAX	0.7 dB MAX	2

Short, Flush - Series 190

Model	WG Size	Frequency band	Flange	QTY
14190	WG14 WR137 R70	5.38 GHz to 8.18 GHz	UDR70/CPR137F	1
15190	WG15 WR112 R84	6.58 GHz to 10 GHz	UBR84	3
15190	WG15 WR112 R84	6.58 GHz to 10 GHz	UDR84	2
17190	WG17 WR75 R120	9.84 GHz to 15 GHz	UBR120	2
19190	WG19 WR51 R180	14.5 GHz to 22 GHz	UBR180	3
20190-10321\AL	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UBR220	4

Short, Flush, Bronze - Series 191

Model	WG Size	Frequency band	Flange	QTY
12191	WG12 WR187 R48	3.94 GHz to 5.99 GHz	UDR48	1
14191	WG14 WR137 R70	5.38 GHz to 8.18 GHz	CPR137F	1
15191	WG15 WR112 R84	6.58 GHz to 10 GHz	UBR84	2
16191	WG16 WR90 R100	8.2 GHz to 12.5 GHz	UBR100	3
17191	WG17 WR75 R120	9.84 GHz to 15 GHz	UBR120	2
21191	WG21 WR34 R260	21.7 GHz to 33 GHz	UBR260	2
23191	WG23 WR22 R400	33 GHz to 50.1 GHz	UG383/U	3
23191	WG23 WR22 R400	33 GHz to 50.1 GHz	GP798	2
24191	WG24 WR19 R500	39.3 GHz to 59.7 GHz	UG-383/U	1
25191	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U	1
25191	WG25 WR15 R620	49.9 GHz to 75.8 GHz	1785.2a	2
26191	WG26 WR12 R740	60.5 GHz to 92 GHz	UG-387/U	3
26191	WG26 WR12 R740	60.5 GHz to 92 GHz	1785.2a	2
27191	WG27 WR10 R900	73.8 GHz to 112 GHz	UG-387/U	1
27191	WG27 WR10 R900	73.8 GHz to 112 GHz	1785.2a	2
32191	WG32 -- R2600	217 GHz to 330 GHz	1785-2a	1
570191	WM-570 --- ---	330 GHz to 500 GHz	1785-2a	1

Short, Flush, Bronze - Series 191

Model	WG Size	Frequency band	Flange	QTY
570191-AA	WM-570 --- ---	330 GHz to 500 GHz	UG387/U-Mod-PF	1

Short, Flush, Precision Grade - Series 192

Model	WG Size	Frequency band	Flange	QTY
10192	WG10 WR284 R32	2.6 GHz to 3.95 GHz	UDR32	1
15192	WG15 WR112 R84	6.58 GHz to 10 GHz	UBR84	1
17192	WG17 WR75 R120	9.84 GHz to 15 GHz	UBR120	1
17192	WG17 WR75 R120	9.84 GHz to 15 GHz	E0006-65	2
20192	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UBR220	3
24192	WG24 WR19 R500	39.3 GHz to 60 GHz	UG-383/U	1
25192	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U	5
27192	WG27 WR10 R900	73.8 GHz to 112 GHz	UG-387/U-Mod	4
29192	WG29 WR6 R1400	110 GHz to 173 GHz	UG-387/U-Mod	3
30192	WG30 WR5 R1800	140 GHz to 220 GHz	UG387/U-Mod-PF	3
WRD180192	--- WRD180 ---	18 GHz to 40 GHz	C1A	3

Short, Flush, Metrology Grade - Series 193

Model	WG Size	Frequency band	Flange	QTY
20193	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UBR220	3
30193	WG30 WR5 R1800	140 GHz to 220 GHz	1785-2a	2

Transitions,Tapered Waveguide to Waveguide - Series 000

Model	WG Size	Flange (port 1)	Flange (port 2)	QTY
27000-28	WG27 WR10 R900	UG-387/U-Mod	UG-387/U-Mod	3
27000-29	WG27 WR10 R900	UG-387/U-Mod	UG-387/U-Mod	1

Adaptor, Waveguide to Coax, Bronze Grade - Series 091

Model	WG Size	Frequency band	Flange	Connector	VSWR	QTY
21091-KF70	WG21 WR34 R260	21.7 GHz to 33 GHz	UBR260-PF	K Female	1.25 MAX	2
22091	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U-PF	K Female	1.2 MAX	1
23091-TF70	WG23 WR22 R400	33 GHz to 50.1 GHz	GP798-PF	2.4mm Compatible female	1.30 MAX	2

Adaptor, Waveguide to Coax - Series 093

Model	WG Size	Frequency band	Flange	Connector	VSWR	QTY
14093-KF20	WG14 WR137 R70	5.38 GHz to 8.18 GHz	UAR70	K Female	1.20 MAX	3
15093-KF20	WG15 WR112 R84	6.58 GHz to 10 GHz	UBR 84	K Female	1.2 MAX	3
16093-KF20	WG16 WR90 R100	8.2 GHz to 12.5 GHz	UBR100	K Female	1.20 MAX	1
20093-KF20	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UBR220	K Female	1.20 MAX	8
21093-KF20	WG21 WR34 R260	21.7 GHz to 33 GHz	UBR260	K Female	1.25 MAX	1
22093-KF20	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG599/U	K Female	1.20 MAX	13
23093-TF30	WG23 WR22 R400	33 GHz to 50.1 GHz	UG383/U	2.4mm Compatible female	1.4 MAX	3
24093-VF50	WG24 WR19 R500	39.3 GHz to 60 GHz	UG-383/U-Mod-AC	1.85mm Female	1.4 MAX	5

Adaptor, Waveguide to Coax - Series 094

Model	WG Size	Frequency band	Flange	Connector	VSWR	QTY
13094-SF40	WG13 WR159 R58	4.64 GHz to 7.05 GHz	UAR 58	SMA Female	1.15 MAX	1
14094-NF10	WG14 WR137 R70	5.38 GHz to 8.18 GHz	UAR70	N Female	1.10 MAX	2
14094-SF40	WG14 WR137 R70	5.38 GHz to 8.18 GHz	UDR70	SMA Female	1.15 MAX	9
14094-SF40	WG14 WR137 R70	5.38 GHz to 8.18 GHz	CPR137F	SMA Female	1.15 MAX	6
15094-SM40	WG15 WR112 R84	6.58 GHz to 10 GHz	UBR84	SMA Female	1.12 MAX	3
15094-SF40	WG15 WR112 R84	6.58 GHz to 10 GHz	UBR84	SMA Female	1.12 MAX	4
16094-SF40	WG16 WR90 R100	8.2 GHz to 12.5 GHz	UBR100	SMA Female	1.12 MAX	4
16094-NF13	WG16 WR90 R100	9 GHz to 9.8 GHz	UBR100	N Female	1.05 MAX	2
17094-SF40	WG17 WR75 R120	9.84 GHz to 15 GHz	UBR120	SMA Female	1.12 MAX	35
17094-SF40	WG17 WR75 R120	9.84 GHz to 15 GHz	UDR120	SMA Female	1.12 MAX	10
18094-SF40	WG18 WR62 R140	11.9 GHz to 18 GHz	UBR140	SMA Female	1.2 MAX	18
18094-NF10	WG18 WR62 R140	11.9 GHz to 18 GHz	UBR140	N Female	1.12 MAX	2
19094-SF40	WG19 WR51 R180	14.5 GHz to 22 GHz	UBR180	SMA Female	1.20 MAX	2
19094-KF20	WG19 WR51 R180	14.5 GHz to 22 GHz	UBR180	K Type Female	1.10 MAX	2
20094-KF20	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UBR220	K Female	1.10 MAX	27
21094-KF20\AL	WG21 WR34 R260	21.7 GHz to 33 GHz	UBR260T	K Female	1.15 MAX	1
21094-KF20	WG21 WR34 R260	21.7 GHz to 33 GHz	UBR260	K Female	1.15 MAX	14
22094-KF20	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U	K Female	1.15 MAX	11
23094-VF50	WG23 WR22 R400	33 GHz to 50.1 GHz	UG-383/U	1.85mm Female	1.30 MAX	1

Adaptor, Waveguide to Coax, High Power - Series 097

Model	WG Size	Frequency band	Flange	Connector	VSWR	Power (mean or CW)	QTY
F11A097-XF10-12059	WG11A WR229 R40	3.415 GHz to 3.915 GHz	T0033-1	TNC Female	1.25 MAX	300 W MAX	2
21097-KF20	WG21 WR34 R260	21.7 GHz to 33 GHz	UBR260	K female	1.2 MAX	Greater of: 55W Max or determined on application	5

Adaptor, Waveguide to Coax, Low PIM - Series 098

Model	WG Size	Frequency band	Flange	Connector	PIM level	VSWR	QTY
10098-NF10	WG10 WR284 R32	2.6 GHz to 3.95 GHz	1560/0010 PIM	N Female	Low PIM design	1.1 MAX	3

Adaptor, Waveguide to Coax, Compact - Series 099

Model	WG Size	Frequency band	Flange	Connector	VSWR	QTY
20099-KF80	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UBR220	K Female	1.2 MAX	3

End Launch Adaptor - Series 373

Model	WG Size	Frequency band	Flange	Connector	VSWR	QTY
17373-KF20	WG17 WR75 R120	9.84 GHz to 15 GHz	UBR120 Comp	K Female	1.1 MAX	1
18373-KF20	WG18 WR62 R140	11.9 GHz to 18.5 GHz	UBR140 Comp	K Type Female	1.1 MAX	1
20373-KF20	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UBR220-PF	K Type Female	1.13 MAX	1
21373-TF31	WG21 WR34 R260	19.7 GHz to 30 GHz	UBR260	2.4mm Compatible Female	1.25 MAX	2
21373-KF20-5766	WG21 WR34 R260	21.7 GHz to 33 GHz	T0016-5	K Female	1.2 MAX	2
21373-TF30-8917	WG21 WR34 R260	21.7 GHz to 33 GHz	UBR260	2.4mm Compatible Female	1.25 MAX	2

End Launch Adaptor - Series 373

Model	WG Size	Frequency band	Flange	Connector	VSWR	QTY
22373-TF30	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U Comp	2.4mm Compatible Female	1.25 MAX	4
22373-KF20	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U	K Type Female	1.15 MAX	5
22373-KF20	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U-PF	K Type Female	1.15 MAX	4
24373-VF51	WG24 WR19 R500	39.3 GHz to 55 GHz	UG-383/U Comp	1.85mm Female	1.30 MAX	2
25373-WF60	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U-AC	1.0mm Female	1.3 MAX	1
25373-WM60-7435	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-387/U-PF	1.0mm Male	1.25 MAX	4
26373-WF60	WG26 WR12 R740	60 GHz to 92 GHz	UG-387/U-AC	1.0mm Female	1.35 MAX	12
26373-WF60	WG26 WR12 R740	60 GHz to 92 GHz	1785-2a	1.0mm Female	1.35 MAX	1
26373-WM60	WG26 WR12 R740	60 GHz to 92 GHz	UG-387/U Comp	1.0mm Male	1.35 MAX	1
26373-WF60-7337	WG26 WR12 R740	60 GHz to 92 GHz	UG-387/U	1.0mm Female	1.25 MAX	3
27373-WF60	WG27 WR10 R900	73.8 GHz to 112 GHz	UG-387/U-Mod-AC	1.0mm Female	1.35 MAX	3
27373-WF60	WG27 WR10 R900	73.8 GHz to 112 GHz	UG-387/U-Mod-PF	1.0mm Female	1.35 MAX	6
27373-WM60	WG27 WR10 R900	73.8 GHz to 112 GHz	UG-387/U-Mod	1.0mm Male	1.35 MAX	1
27373-WF60-7340	WG27 WR10 R900	73.8 GHz to 112 GHz	UG-387/U-Mod-PF	1.0mm Female	1.20 MAX	2
WRD580373-NF10	--- WRD580 ---	5.8 GHz to 16 GHz	C1A	N Female	1.20 MAX	3
WRD650373-NF10	--- WRD650 ---	6.5 GHz to 18 GHz	C1A	N Female	1.20 MAX	2

End Launch Adaptor, High Power - Series 377

Model	WG Size	Frequency band	Flange	Connector	Power (mean or CW)	VSWR	QTY
10377-DF-4370	WG10 WR284 R32	2.45 GHz +/- 50 MHz	CPR284F (UG1725/U)	7-16 DIN Female	1.5 kW MIN	1.1 MAX	2
10377-DF10	WG10 WR284 R32	2.6 GHz to 3.95 GHz	UG-1725/U	7-16 DIN Female	2.1 kW MAX	1.1 MAX	3

Transition, Rectangular to Circular - linear polarisation - Series 643

Model	WG Size	Frequency band	Flange (port 1)	Flange (port 2)	Output Port diameter (H)	Length	QTY
20643	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UBR220	8 hole circular as per our catalogue 2010	10.925 mm	77.5 mm	1
22643	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U	8 hole circular	7.25 mm	51.5 mm	1

Transition, Rectangular to Circular, With Resistive Vane - Series 644

Model	WG Size	Frequency band	Flange (port 1)	Flange (port 2)	Output Port diameter (H)	Length	QTY
16644	WG16 WR90 R100	8.2 GHz to 12.5 GHz	UBR100	8 hole circular as per our catalogue 2010	23.368 mm	76 mm	1
20644	WG20 WR42 R220	18 GHz to 26.5 GHz	UBR220	8 hole circular as per Flann catalogue 2010	10.925 mm	77.5 mm	1

Flexible TEM Waveguide, Flange to Flange Adaptor - Series 350

Model	WG Size	Frequency band	Flange (port 1)	Flange (port 2)	Length	VSWR	QTY
24350-L500	WG24 WR19 R500	39.3 GHz to 60 GHz	UG383/U-Mod		500 mm	1.45 MAX	1
26350-L1000	WG26 WR12 R740	60 GHz to 92 GHz	UG-387/U-AC	UG-387/U-AC	1 m	1.65 MAX	1
26350-L1700	WG26 WR12 R740	60 GHz to 92 GHz	UG-387/U-AC	UG-387/U-AC	1.7 m	1.65 MAX	1

Flexible TEM Waveguide, Flange to Flange Adaptor - Series 350

Model	WG Size	Frequency band	Flange (port 1)	Flange (port 2)	Length	VSWR	QTY
26350-L350	WG26 WR12 R740	60 GHz to 92 GHz	UG-387/U-AC	UG-387/U-AC	350 mm	1.65 MAX	4

Waveguide Straight, Flange to Flange Adaptor - Series 441

Model	WG Size	Frequency band	Flange (port 1)	Flange (port 2)	VSWR	QTY
23441	WG23 WR22 R400	33 GHz to 50.1 GHz	UG-383/U	GP798-PF	1.05 MAX	8
32441-6803	WG32 -- R2600	217 GHz to 330 GHz	UG-387/U-Mod-PF	UG-387/U-Mod-PF	1.2 MAX	2
570441-7532	WM-570 --- ---	330 GHz to 500 GHz	UG-387/U-Mod-PF	UG-387/U-Mod-PF	1.35 MAX	2

Waveguide Spacer, Flange to Flange Adaptor - Series 445

Model	WG Size	Frequency band	Flange (port 1)	Flange (port 2)	Length	QTY
17445-10	WG17 WR75 R120	9.84 GHz to 15 GHz	UBR120	UBR120	10 mm	2
22445-05	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U	UG-599/U	5 mm	1

Waveguide Straight (Ruggedised), Flange to Flange Adaptor - Series 448

Model	WG Size	Frequency band	Flange (port 1)	Flange (port 2)	Overall Length	VSWR	QTY
25448-AA	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U-PF	UG-385/U-PF	50 mm	1.05 MAX	2
26448-AA	WG26 WR12 R740	60 GHz to 92 GHz	UG-387/U-PF	UG-387/U-PF	50 mm	1.05 MAX	2
28448-9593	WG28 WR8 R1200	92.3 GHz to 140 GHz	1785.2a	1785.2a	35 mm	1.13 MAX	1
30448-AA	WG30 WR5 R1800	140 GHz to 220 GHz	UG-387/U-Mod-PF	UG-387/U-Mod-PF	35 mm	1.12 MAX	1

Waveguide Twist - Series 450

Model	WG Size	Frequency band	Flange	Twist direction	Twist angle	VSWR	QTY
15450-90RH	WG15 WR112 R84	6.58 GHz to 10 GHz	UBR84	Right hand	90 °	1.03 MAX	1
20450-90LH	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UBR220	Left hand	90 °	1.045 MAX	4
21450-90LH	WG21 WR34 R260	21.7 GHz to 33 GHz	UBR260 Type	Left hand	90 °	1.05 MAX	3
25450-90LH	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U-AC	Left hand	90 °	1.075 MAX	1

Waveguide Twist, Compact - Series 451

Model	WG Size	Frequency band	Flange (port 1)	Flange (port 2)	VSWR	QTY
22451-90LH-5854	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U			2

Waveguide Bend, E-Plane - Series 460

Model	WG Size	Frequency band	Flange (port 1)	Flange (port 2)	Bend type VSWR	Bend angle	QTY
14460-90	WG14 WR137 R70	5.38 GHz to 8.2 GHz	UDR70	UDR70	1.05 MAX	90 °	1
17460-90-807	WG17 WR75 R120	9.84 GHz to 15 GHz	UBR120	UBR120	1.20 MAX	90 °	4
17460-90\AL-8246	WG17 WR75 R120	10.7 GHz to 12.75 GHz	UBR120	Flann A0011-3	1.1 MAX	90 °	1
18460-90-808	WG18 WR62 R140	11.9 GHz to 18 GHz	UBR140	UBR140	1.20 MAX	90 °	1
19460-90\AL-8245	WG19 WR51 R180	17.3 GHz to 20.2 GHz	UBR180	Flann A0011-18	1.1 MAX	90 °	1

Waveguide Bend, E-Plane - Series 460

Model	WG Size	Frequency band	Flange (port 1)	Flange (port 2)	Bend type VSWR	Bend angle	QTY
20460-90	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UBR220	UBR220	1.05 MAX	90 °	1
21460-9759	WG21 WR34 R260	29 GHz to 31 GHz	See Customer Document	See Customer Document	1.5 MAX	See customer drg °	7
22460-10804	WG22 WR28 R320	26.4 GHz to 40.1 GHz	CMT-0568-5876	CMT-0568-5876	1.06 MAX	S joggle °	2
26460-90-DC0	WG26 WR12 R740	60 GHz to 92 GHz	UG-387/U	UG-387/U	1.09 MAX	90 °	1
26460-90-DC0	WG26 WR12 R740	60 GHz to 92 GHz	UG-387/U-AC	UG-387/U-AC	1.09 MAX	90 °	3
27460-90	WG27 WR10 R900	73.8 GHz to 112 GHz	UG-387/U-Mod	UG-387/U-Mod	1.11 MAX	90 °	1
27460-9906	WG27 WR10 R900	75 GHz to 110 GHz	UG-387/U	UG-387/U	1.2 MAX	Not Specified	2

Waveguide Bend, H-Plane - Series 470

Model	WG Size	Frequency band	Flange (port 1)	Flange (port 2)	Bend type	Bend angle	VSWR	QTY
20470-90	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UBR220	UBR220	Swept	90 °	1.05 MAX	1
21470-90	WG21 WR34 R260	21.7 GHz to 33 GHz	UBR260	UBR260	Swept	90 °	1.055 MAX	4
22470-90-DB0	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U	UG-599/U	Swept	90 °	1.06 MAX	2
25470-90	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U-AC	UG-385/U-AC	Swept	90 °	1.08 MAX	3
26470-90-DC0	WG26 WR12 R740	60 GHz to 92 GHz	UG-387/U	UG-387/U	Swept	90 °	1.09 MAX	1
26470-90-DC0	WG26 WR12 R740	60 GHz to 92 GHz	UG387/U-AC	UG387/U-AC	Swept	90 °	1.09 MAX	2
27470-90	WG27 WR10 R900	73.8 GHz to 112 GHz	UG-387/U-Mod-AC	UG-387/U-Mod-AC	Swept	90 °	1.11 MAX	1

Waveguide Assembly - Series 480

Model	WG Size	Frequency band	Flange (port 1)	Flange (port 2)	VSWR	Insertion Loss	QTY
18480-10262	WG18 WR62 R140		UG-541/U				2
26480-9420	WG26 WR12 R740	60.5 GHz to 92 GHz	UG-387/U-AC	UG-387/U-AC	1.07 Design aim		2

Seamless Semi-rigid Waveguide, Flange to Flange Adaptor - Series 562

Model	WG Size	Frequency band	Flange (port 1)	Flange (port 2)	Length	VSWR	QTY
25562-L300	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U-AC	UG-385/U-AC	300 mm	1.15 MAX	6
25562-L350	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U-AC	UG-385/U-AC	350 mm	1.15 MAX	1
25562-L450	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U-AC	UG-385/U-AC	450 mm	1.15 MAX	5
27562-L300	WG27 WR10 R900	73.8 GHz to 112 GHz	UG-387/U-Mod-AC	UG-387/U-Mod-AC	300 mm	1.23 MAX	1
27562-L150	WG27 WR10 R900	73.8 GHz to 112 GHz	UG-387/U-M-AC	UG-387/U-M-AC	150 mm	1.23 MAX	1

Mismatch, Metrology Grade - Series 297

Model	WG Size	Frequency band	Flange	VSWR	QTY
29297-05	WG29 WR6 R1400	114 GHz to 173 GHz	UG387/U-Mod-PF	2.0	1

Waveguide Section, Bronze Grade - Series 440

Model	WG Size	Frequency band	Flange	Length	WG aperture tolerance (±)	QTY
14440	WG14 WR137 R70	5.38 GHz to 8.18 GHz	UAR70-PF	236 mm +/- 80 um	35 um MAX	1
15440	WG15 WR112 R84	6.58 GHz to 10 GHz	UBR84-PF	192 mm +/- 500 um	30 um MAX	1
17440	WG17 WR75 R120	9.84 GHz to 15 GHz	UBR120-PF	128 mm	20 um MAX	1
18440	WG18 WR62 R140	11.9 GHz to 18 GHz	UBR140-PF	107 mm +/- 50 um	18 um MAX	1
19440	WG19 WR51 R180	14.5 GHz to 22 GHz	UBR180-PF	71 mm +/- 30 um	15 um MAX	1
20440	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UBR220-PF	71 mm +/- 30 um	15 um MAX	1
23440	WG23 WR22 R400	33 GHz to 50.1 GHz	GP798-PF	46 mm +/- 20 um	15 um MAX	1

Waveguide Section, Silver Grade - Series 442

Model	WG Size	Frequency band	Flange (port 1)	Length	WG aperture tolerance (±)	QTY
16442	WG16 WR90 R100	8.2 GHz to 12.5 GHz	UBR100-PF	154 mm +/- 30 nm	10 um MAX	2
17442	WG17 WR75 R120	9.84 GHz to 15 GHz	UBR120-PF	128 mm +/- 30 um	10 um MAX	1
20442	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UBR220-PF	71 mm +/- 0 m	10 um MAX	1
23442	WG23 WR22 R400	33 GHz to 50.1 GHz	UG-383/U-PF	46 mm +/- 10 um	10 um MAX	1
25442	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U-PF	35 mm +/- 10 um	10 um MAX	1

Waveguide Section, Metrology Grade - Series 443

Model	WG Size	Frequency band	Flange	Length	WG aperture tolerance (±)	QTY
18443	WG18 WR62 R140	11.9 GHz to 18 GHz	UBR140-PF	107 mm +/- 12 um	5 um MAX	1
20443	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UBR220-PF	71 mm	5 um MAX	1
20443	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UG-595/U-PF	71 mm	5 um MAX	1
22443	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U-PF	60 mm	5 um MAX	1

Offset, Bronze - Series 491

Model	WG Size	Frequency band	Flange	Length	QTY
12491-02	WG12 WR187 R48	3.94 GHz to 5.99 GHz	UAR48-PF	20.102 mm +/- 50 um	1
15491-01	WG15 WR112 R84	6.58 GHz to 10 GHz	UBR84-PF	6.016 mm +/- 267 um	1
16491-02	WG16 WR90 R100	8.2 GHz to 12.5 GHz	UBR100-PF	9.63 mm +/- 30 um	3
16491-01	WG16 WR90 R100	8.2 GHz to 12.5 GHz	UBR100-PF	4.815 mm +/- 30 um	1
18491-02-4095	WG18 WR62 R140	11.9 GHz to 18 GHz	WR62Imperial	6.668 mm +/- 30 um	5
18491-01	WG18 WR62 R140	11.9 GHz to 18 GHz	UBR140-PF	3.334 mm +/- 25 um	1
19491-02	WG19 WR51 R180	14.5 GHz to 22 GHz	UBR180-PF	5.461 mm +/- 25 um	1
20491-03	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UBR220-PF	6.752 mm +/- 20 um	1
23491-02	WG23 WR22 R400	33 GHz to 50.1 GHz	UG-383/U-PF	2.399 mm +/- 20 um	1
23491-01	WG23 WR22 R400	33 GHz to 50.1 GHz	UG-383/U-PF	1.199 mm +/- 20 um	1
23491-02	WG23 WR22 R400	33 GHz to 50.1 GHz	GP798-PF	2.399 mm +/- 20 um	1
25491-02	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U-PF	1.587 mm +/- 20 um	1
25491-01	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U-PF	793 um +/- 20 um	2
25491-03	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U-PF	2.38 mm +/- 20 um	1

Offset, Bronze - Series 491

Model	WG Size	Frequency band	Flange	Length	QTY
26491-02	WG26 WR12 R740	60.5 GHz to 92 GHz	1785-2a	1.308 um +/- 20 um	1
26491-03	WG26 WR12 R740	60.5 GHz to 92 GHz	UG-387/U-PF	1.963 mm +/- 20 um	1
26491-01	WG26 WR12 R740	60.5 GHz to 92 GHz	UG-387/U-PF	654 um +/- 20 um	1
27491-01	WG27 WR10 R900	73.8 GHz to 112 GHz	UG-387/U-Mod-PF	537 um	2
27491-03	WG27 WR10 R900	73.8 GHz to 112 GHz	UG-387/U-Mod-PF	1.612 um	1
27491-02	WG27 WR10 R900	73.8 GHz to 112 GHz	1785.2a	1.074 mm	3
28491-N1	WG28 WR8 R1200	92.3 GHz to 140 GHz	UG-387/U-Mod-PF		4
28491-N2	WG28 WR8 R1200	92.3 GHz to 140 GHz	UG-387/U-Mod-PF		3
29491-N1	WG29 WR6 R1400	110 GHz to 131 GHz	UG-387/U-Mod-PF		2
29491-N2	WG29 WR6 R1400	131 GHz to 173 GHz	UG-387/U-Mod-PF		2
29491-10380	WG29 WR6 R1400	114 GHz to 173 GHz	1785-2a		1
29491-02	WG29 WR6 R1400	114 GHz to 173 GHz	1785-2a		4
30491-02	WG30 WR5 R1800	145 GHz to 220 GHz	1785-2a		2
32491-N1	WG32 -- R2600	220 GHz to 264 GHz	UG-387/U-Mod-PF		3
32491-N1	WG32 -- R2600	220 GHz to 264 GHz	1785-2a		1
32491-N2	WG32 -- R2600	246 GHz to 325 GHz	UG-387/U-Mod-PF		2
32491-12127	WG32 -- R2600	220 GHz to 325 GHz	1785-2a	368.3 um +/- 20 um	1
570491-N2	WM-570 --- ---	330 GHz to 500 GHz	1785-2a	1.33 mm +/- 10 um	1
570491-N3	WM-570 --- ---	330 GHz to 500 GHz	1785-2a	1.02 mm +/- 10 um	3
570491-00K	WM-570 --- ---	330 GHz to 500 GHz	IEEE 17.85-2A	0 m +/- 0 m	4
570491-N1-AA	WM-570 --- ---	330 GHz to 500 GHz	UG387/U-Mod-PF	1.74 mm +/- 10 um	2
570491-N2-AA	WM-570 --- ---	330 GHz to 500 GHz	UG387/U-Mod-PF	1.33 mm +/- 10 um	2
570491-N3-AA	WM-570 --- ---	330 GHz to 500 GHz	UG387/U-Mod-PF	1.02 mm +/- 10 um	2

Offset, Precision Grade - Series 492

Model	WG Size	Frequency band	Flange	Length	QTY
15492-01	WG15 WR112 R84	6.58 GHz to 10 GHz	UBR84-PF	6.016 mm +/- 15 um	3
15492-03	WG15 WR112 R84	6.58 GHz to 10 GHz	UBR84-PF	18.048 mm +/- 15 um	1
18492-01	WG18 WR62 R140	11.9 GHz to 18 GHz	UBR140-PF	3.334 mm +/- 10 um	1
21492-03	WG21 WR34 R260	21.7 GHz to 33 GHz	UBR260-PF	5.472 mm	1
22492-03	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U-PF	4.496 mm +/- 10 um	1
23492-01	WG23 WR22 R400	33 GHz to 50.1 GHz	UG-383/U-PF	1.199 mm +/- 10 um	4
24492-02	WG24 WR19 R500	39.3 GHz to 60 GHz	UG-383/U-PF	2.014 mm	2
25492-02	WG25 WR15 R620	49.9 GHz to 75.8 GHz	UG-385/U-PF	1.587 mm +/- 30 um	2
27492-02	WG27 WR10 R900	73.8 GHz to 112 GHz	UG-387/U-M-PF	1.074 mm +/- 20 um	1
27492-01K	WG27 WR10 R900	73.8 GHz to 112 GHz	UG-387/U-M-PF	2.537 mm +/- 24 um	1
29492-00K	WG29 WR6 R1400	114 GHz to 173 GHz	UG-387/U-M-PF	1 mm +/- 10 um	1
32492-N2	WG32 -- R2600	246 GHz to 325 GHz	UG-387/U-Mod-PF	1 mm +/- 10 um	3
32492-6875	WG32 -- R2600	220 GHz to 325 GHz	UG-387/U-Mod-PF	368.3 um +/- 10 um	4
WRD180492-02	--- WRD180 ---	18 GHz to 40 GHz	C1A		3

Offset, Metrology Grade - Series 493

Model	WG Size	Frequency band	Flange	Length	QTY
20493-02	WG20 WR42 R220	17.6 GHz to 26.7 GHz	UG-595/U-PF	4.501 mm	1
22493-01	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U-PF	1.499 mm	1
22493-03	WG22 WR28 R320	26.4 GHz to 40.1 GHz	UG-599/U-PF	4.496 mm	1

Control Processor - Series CP2021

Model	WG Size	Port 1 Interface (Flange, Connector etc)	Port 2 Interface (Flange, Connector etc)	Port 3 Interface (Flange, Connector etc)	Port 4 Interface (Flange, Connector etc)	QTY
CP2021	NOT SPECIFIED	IEEE488 bus (GPIB)		25 pin D type connector	25 pin D type connector	4

Screw Tuner - Series 160

Model	WG Size	Frequency band	Flange (port 1)	Flange (port 2)	QTY
19160	WG19 WR51 R180	14.5 GHz to 22 GHz	UBR180	UBR180	1

Screw Tuner, System Grade - Series 161

Model	WG Size	Frequency band	Flange (port 1)	Flange (port 2)	Housing VSWR	Tuneable VSWR	QTY
16161	WG16 WR90 R100	8.2 GHz to 12.5 GHz	UBR100	UBR100	1.036 MAX	3.5 MIN	1
18161	WG18 WR62 R140	11.9 GHz to 18 GHz	UBR140	UBR140	1.036 MAX	3.5 MIN	1

Septum Polarizer - Series 782

Model	WG Size	Common port frequency band	Common Port Interface (Flange, Connector etc)	In-line Port Interface (Flange, Connector etc)	Ortho Port Interface (Flange, Connector etc)	Cross Polarization	Insertion Loss	QTY
26782-9246	WG26 WR12 R740	71 GHz to 86 GHz		TBD	TBD	28 dB	0.5 dB MAX	2