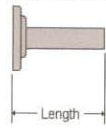


SHORT TERMINATION

Description:

- Full waveguide frequency range
- Units pressure tested to 30 psi
- Finish is a unique corrosion-resistant 316 stainless steel epoxy coating

- VSWR: 1.20 max
- ATM series 710 Terminations utilize Medium Power Elements to achieve low VSWR and stable electrical characteristics



Ordering Information: Typical Part #: 137-710 B -2

Basic Model #:

Material: A=Alum, B=Brass, C=Copper, D=Special

Flange 1: 1=CPRC, 2=CPRF, 6=COVER, 7=CHOKE, 8=GROOVE

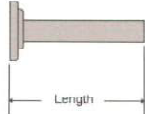
Basic Model No.	WG Size	Freq (GHz)	Standard Flange	Power Avg. (W)	Length (inches)
650-710	WR650	1.12 - 1.70	CPRF (2)	50	7.00
430-710	WR430	1.70 - 2.60	CPRF (2)	40	7.00
340-710	WR340	2.20 - 3.30	CPRF (2)	40	6.00
284-710	WR284	2.60 - 3.95	COVER (6)	30	3.00
229-710	WR229	3.30 - 4.90	CPRF (2)	25	3.00
187-710	WR187	3.95 - 5.85	COVER (6)	25	2.50
159-710	WR159	4.90 - 7.05	CPRF (2)	20	2.00
137-710	WR137	5.95 - 8.20	CPRF (2)	15	1.75
112-710	WR112	7.05 - 10.00	COVER (6)	15	1.50
102-710	WR102	7.00 - 11.00	COVER (6)	15	1.50
90-710	WR90	8.20 - 12.40	COVER (6)	15	1.50
75-710	WR75	10.00 - 15.00	COVER (6)	15	1.25
62-710	WR62	12.40 - 18.00	COVER (6)	10	1.00
51-710	WR51	15.00 - 22.00	COVER (6)	10	1.00
42-710	WR42	18.00 - 26.50	COVER (6)	10	1.00
34-710	WR34	22.00 - 33.00	COVER (6)	5	0.75
28-710	WR28	26.50 - 40.00	COVER (6)	5	0.75
22-710	WR22	33.00 - 50.00	COVER (6)	5	0.75

MEDIUM POWER TERMINATION

Description:

- Full waveguide frequency range
- Units pressure tested to 30 psi
- Finish is a high temp. black coating
- Low outgassing characteristics
- VSWR: 1.10 max

- ATM series 740 utilizes High Power Ceramic Elements fired at 1300 C for low VSWR and stable electrical characteristics



Ordering Information: Typical Part #: 137-740 B -2

Basic Model #:

Material: A=Alum, B=Brass, C=Copper, D=Special

Flange 1: 1=CPRG, 2=CPRF, 6=COVER, 7=CHOKE, 8=GROOVE

Basic Model No.	WG Size	Freq (GHz)	Standard Flange	Power Avg. (W)	Length (inches)
650-740	WR650	1.12 - 1.70	CPRF (2)	1500	13.00
430-740	WR430	1.70 - 2.60	CPRF (2)	1200	12.00
340-740	WR340	2.20 - 3.30	CPRF (2)	1200	12.00
284-740	WR284	2.60 - 3.95	COVER (6)	1200	11.00
229-740	WR229	3.30 - 4.90	CPRF (2)	1000	9.75
187-740	WR187	3.95 - 5.85	COVER (6)	750	8.38
159-740	WR159	4.90 - 7.05	CPRF (2)	625	8.00
137-740	WR137	5.95 - 8.20	CPRF (2)	500	8.00
112-740	WR112	7.05 - 10.00	COVER (6)	425	7.00
102-740	WR102	7.00 - 11.00	COVER (6)	325	6.50
90-740	WR90	8.20 - 12.40	COVER (6)	225	5.50
75-740	WR75	10.00 - 15.00	COVER (6)	200	4.50
62-740	WR62	12.40 - 18.00	COVER (6)	100	3.25
51-740	WR51	15.00 - 22.00	COVER (6)	100	3.25
42-740	WR42	18.00 - 26.50	COVER (6)	100	3.50
34-740	WR34	22.00 - 33.00	COVER (6)	75	3.25
28-740	WR28	26.50 - 40.00	COVER (6)	75	4.00
22-740	WR22	33.00 - 50.00	COVER (6)	25	2.50

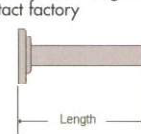
WG Size	Freq (GHz)	Avg. Power (WATTS)	Standard Model No.*
WR284	2.60 - 3.95	7000	284-770-6
WR229	3.30 - 4.90	1200	229-770-1200-2
WR187	3.95 - 5.85	4200	187-770-6
WR159	4.90 - 7.05	4200	159-770-2
WR137	5.85 - 8.20	4200	137-770-2
WR112	7.05 - 10.00	2700	112-770-6
WR90	8.20 - 12.4	2100	90-770-6
WR75	10.0 - 15.0	2000	75-770-6
WR62	12.4 - 18.0	2000	62-770-6
WR51	15.0 - 22.0	1700	51-770-6
WR42	18.0 - 26.5	1500	42-770-6
WR34	22.0 - 33.0	800	34-770-6
WR28	26.5 - 40.0	500	28-770-6
WR22	33.0 - 50.0	700	22-770-6

LOW POWER TERMINATION

Description:

- Full waveguide frequency range
- Units pressure tested to 30 psi
- Finish is a unique corrosion-resistant 316 stainless steel epoxy coating

- ATM series 720 Terminations utilize a Precision Conical Element to achieve very low VSWR.
- For short size on High Power Terminations contact factory



Ordering Information: Typical Part #: 137-720 B -2

Basic Model #:

Material: A=Alum, B=Brass, C=Copper, D=Special

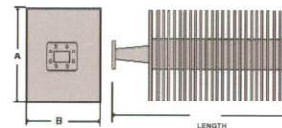
Flange 1: 1=CPRG, 2=CPRF, 6=COVER, 7=CHOKE, 8=GROOVE

Basic Model No.	WG Size	Freq (GHz)	Standard Flange	VSWR max.	Power Avg. (W)	Length (inches)
650-720	WR650	1.12 - 1.70	CPRF (2)	1.02	25	12.50
430-720	WR430	1.70 - 2.60	CPRF (2)	1.02	15	11.00
340-720	WR340	2.20 - 3.30	CPRF (2)	1.01	12	10.75
284-720	WR284	2.60 - 3.95	COVER (6)	1.01	10	10.75
229-720	WR229	3.30 - 4.90	CPRF (2)	1.01	10	7.50
187-720	WR187	3.95 - 5.85	COVER (6)	1.01	8	6.25
159-720	WR159	4.90 - 7.05	CPRF (2)	1.01	7	6.00
137-720	WR137	5.95 - 8.20	CPRF (2)	1.01	6	5.50
112-720	WR112	7.05 - 10.00	COVER (6)	1.01	4	5.00
102-720	WR102	7.00 - 11.00	COVER (6)	1.01	3	4.00
90-720	WR90	8.20 - 12.40	COVER (6)	1.01	4	4.00
75-720	WR75	10.00 - 15.00	COVER (6)	1.01	2	4.00
62-720	WR62	12.40 - 18.00	COVER (6)	1.01	1.5	4.00
51-720	WR51	15.00 - 22.00	COVER (6)	1.01	1.0	4.00
42-720	WR42	18.00 - 26.50	COVER (6)	1.01	0.5	2.50
34-720	WR34	22.00 - 33.00	COVER (6)	1.01	0.5	2.50
28-720	WR28	26.50 - 40.00	COVER (6)	1.02	0.5	2.00
22-720	WR22	33.00 - 50.00	COVER (6)	1.02	0.5	1.50

HIGH POWER

Description:

- Full waveguide frequency range
- Units pressure tested to 30 psi
- Finish is a high temperature black coating
- All 745 series Terminations are manufactured from 6061 Aluminum
- Low outgassing characteristics
- VSWR: 1.10 max
- ATM series 745 utilizes High Power Ceramic Elements fired at 1300 C for low VSWR and stable electrical characteristics



Ordering Information: Typical Part #: 137-745 -2

Basic Model #:

Flange 1: 1=CPRG, 2=CPRF, 6=COVER, 7=CHOKE, 8=GROOVE

Basic Model No.	WG Size	Freq (GHz)	Standard Flange	Power Avg. (W)	Length (inches)	Dim. A	Dim. B
650-745	WR650	1.12 - 1.70	CPRF (2)	2500	13.00	9.00	11.00
430-745	WR430	1.70 - 2.60	CPRF (2)	2500	12.00	6.00	6.00
340-745	WR340	2.20 - 3.30	CPRF (2)	2500	12.00	6.00	6.00
284-745	WR284	2.60 - 3.95	COVER (6)	2400	12.00	6.00	5.00
229-745	WR229	3.30 - 4.90	CPRF (2)	2000	10.63	5.00	5.00
187-745	WR187	3.95 - 5.85	COVER (6)	1500	9.00	4.50	4.50
159-745	WR159	4.90 - 7.05	CPRF (2)	1300	9.00	4.50	4.50
137-745	WR137	5.95 - 8.20	CPRF (2)	1000	8.50	4.00	4.00
137-745A	WR137	5.95 - 8.20	CPRF (2)	1500	9.00	4.50	4.50
112-745	WR112	7.05 - 10.00	COVER (6)	850	8.00	4.00	4.00
102-745	WR102	7.00 - 11.00	COVER (6)	500	6.50	3.50	3.50
90-745	WR90	8.20 - 12.40	COVER (6)	500	5.50	3.50	3.50
75-745	WR75	10.00 - 15.00	COVER (6)	350	5.00	3.50	3.50
75-745A	WR75	10.00 - 15.00	COVER (6)	550	5.00	4.50	4.50
62-745	WR62	12.40 - 18.00	COVER (6)	250	4.50	3.00	3.00
51-745A	WR51	15.00 - 22.00	COVER (6)	260	4.50	3.00	3.00
42-745	WR42	18.00 - 26.50	COVER (6)	230	4.50	2.75	2.75
34-745	WR34	22.00 - 33.00	COVER (6)	150	4.00	2.00	2.00
28-745	WR28	26.50 - 40.00	COVER (6)	125	4.00	2.00	2.00
22-745	WR22	33.00 - 50.00	COVER (6)	75	3.00	1.50	1.50

WATER COOLED LOAD, HIGH POWER - 770 SERIES

- Low out-gassing characteristics. 6061 Aluminum
- Low VSWR (1.15Max) and stable electrical characteristics.
- Cooling Fluid (15° to 21° C) Flow Rates:
 - 4 gal/min for sizes WR650 thru WR159
 - 2 gal/min for sizes WR137 thru 112
 - 1 gal/min for sizes WR90 thru WR22

