

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

**Artisan Technology Group**
(217) 352-9330 | sales@artisantg.com | artisantg.com

**Full-service, independent repair center**
with experienced engineers and technicians on staff.

**We buy your excess, underutilized, and idle equipment**
along with credit for buybacks and trade-ins.

**Custom engineering**
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

**Expert team | Trust guarantee | 100% satisfaction**

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Advanced Technical Materials 51-760-6* at our website: *Click HERE*

**Example part number:** 75 -745 -6

Waveguide Size: (WR)
WR22 thru WR650 available

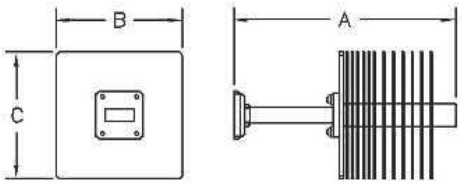
Basic Model No.: (-Mod)

Flange (-F): 1=CPRG, 2=CPRF, 6=Cover, 7=Choke
See ATM Standard Flange page for more info.

## Rectangular Waveguide Termination - Very High Power - 760 Series



Very High Power Waveguide Termination - Series 760




Very High Power Waveguide Termination - Series 760 Diagram

- Full waveguide frequency.
- Units may be pressure sealed up to 30 psi. upon request.
- Finish: Hi-Temp black paint.
- Low outgassing characteristics.
- VSWR: 1.15 max.
- Series 760 Terminations are manufactured from 6061 Aluminum.
- ATM Series 760 Terminations utilizes High Power Ceramic Elements fired at 1300 C for low VSWR and stable electrical characteristics.
- Units are best mounted in the horizontal plane with free air flow. The load temperature will vary depending on power levels and duration. If during use the surface temperature approaches 260°C at the hottest point, (normally where the first fin touches the waveguide body), forced air cooling should be used to prevent damage to the internal load element. Units can survive temperatures as high as 450 °C without damage for a short time.

| WG Size | Freq. (GHz) | Avg. Power (Watts) | Peak Power (kW) | Standard Model No.* | Dim. A (Inches) | Dim. B | Dim. C | Outline Dwgs |
|---|---|---|---|---|---|---|---|---|
| WR650 | **1.12-1.70** | 8000 | 5500 | 650-760-2 | 29.88 | 16.00 | 13.25 | Dwg |
| WR430 | **1.70-2.60** | 6500 | 4000 | 430-760-2 | 16.67 | 9.00 | 9.00 | Dwg |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| WR229 | **3.30-4.90** | 4000 | 2000 | 229-760-2 | 13.75 | 6.00 | 6.00 | Dwg |
| WR187 | **3.95-5.85** | 3000 | 2000 | 187-760-6 | 18.00 | 6.00 | 6.00 | |
| WR159 | **4.90-7.05** | 3000 | 1000 | 159-760-2 | 21.50 | 6.00 | 6.00 | Dwg |
| WR137 | **5.85-8.20** | 3000 | 710 | 137-760-2 | 18.00 | 6.00 | 6.00 | Dwg |
| WR112 | **7.05-10.0** | 3000 | 550 | 112/187-760-6 | 20.00 | 6.00 | 6.00 | Dwg |
| WR112 | **7.05-10.0** | 1900 | 460 | 112-760-6 | 8.80 | 5.00 | 5.00 | Dwg |
| WR90 | **8.20-12.4** | 4500 | 450 | 90/187-760-6 | 24.00 | 6.00 | 6.00 | Dwg |
| WR90 | **8.20-12.4** | 1100 | 290 | 90-760-6 | 9.81 | 5.00 | 5.00 | Dwg |
| WR75 | **10.0-15.0** | 3500 | 270 | 75/187-760-6 | 24.83 | 6.00 | 6.00 | Dwg |
| WR75 | **10.0-15.0** | 1000 | 200 | 75-760-6 | 7.75 | 4.50 | 4.50 | Dwg |
| WR62 | **12.4-18.0** | 3000 | 200 | 62/187-760-6 | 24.63 | 6.00 | 6.00 | Dwg |
| WR62 | **12.4-18.0** | 900 | 160 | 62-760-6 | 7.86 | 4.50 | 4.50 | Dwg |
| WR51 | **15.0-22.0** | 775 | 150 | 51-760-6 | 7.75 | 4.50 | 4.50 | Dwg |
| WR42 | **18.0-26.5** | 600 | 120 | 42-760-6 | 5.50 | 2.25 | 2.25 | Dwg |
| WR34 | **22.0-33.0** | 500 | 100 | 34-760-6 | 6.37 | 2.25 | 2.25 | Dwg |
| WR28 | **26.5-40.0** | 200 | 100 | 28-760-6 | 6.56 | 2.25 | 2.25 | Dwg |

**Ordering Information**
**Waveguide Terminations**
**Very High Power - 760 Series**

| | WR | -Mod | -F |
|---|---|---|---|
| **Example part number:** | 75 | -760 | -6 |

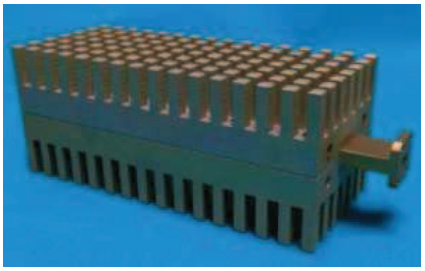
Waveguide Size: (WR)
WR22 thru WR650 available

Basic Model No.: (-Mod)

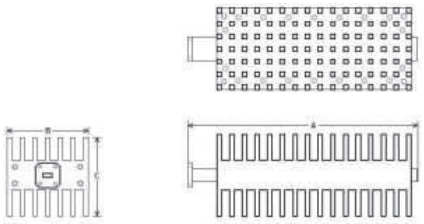
Flange (-F): 1=CPRG, 2=CPRF, 6=Cover, 7=Choke
See ATM Standard Flange page for more info.

* The Standard Model Numbers above are the most common parts ordered for size, material and flange. However, these models can easily be altered for your needs by using the Model # code system at left.

## Rectangular Waveguide Termination - Super High Power - 780 Series



Super High Power Waveguide Termination - 780 Series



Super High Power Waveguide Termination - 780 Series Diagram

**Artisan Technology Group** is an independent supplier of quality pre-owned equipment

## Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

## We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

## Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP