

Waveguide Terminations, SWL Series



FEATURES:

- ◆ Frequency coverage: 18.0 to 110 GHz
- ◆ Low VSWR
- ◆ Low and high power
- ◆ Instrumentation grade

APPLICATIONS:

- ◆ Test labs
- ◆ Instrumentations
- ◆ Sub-assemblies

DESCRIPTION:

SWL series waveguide terminations are offered to cover the frequency range of 18 to 110 GHz in seven waveguide bands. These waveguide terminations process low VSWR and are available in various versions to handle different power applications. While standard catalog items only include for two power levels, contact factory for the models other than listed.

CATALOG MODELS:

| Band | Model Number | Waveguide | Frequency Range (GHz) | VSWR (Max) | Power Handling (W, Min) | Flange Type | Outline |
|------|--------------|-----------|-----------------------|------------|-------------------------|-------------|---------|
| K | SWL-4233-S1 | WR-42 | 18.0 to 26.5 | 1.04:1 | 2.0 | UG595/U | WL-KL |
| Ka | SWL-2832-S1 | WR-28 | 26.5 to 40.0 | 1.04:1 | 1.5 | UG599/U | WL-AL |
| Q | SWL-2230-S1 | WR-22 | 33.0 to 50.0 | 1.04:1 | 1.0 | UG383/U | WL-QL |
| U | SWL-1930-S1 | WR-19 | 40.0 to 60.0 | 1.05:1 | 1.0 | UG383/U-M | WL-UL |
| V | SWL-1527-S1 | WR-15 | 50.0 to 75.0 | 1.05:1 | 0.5 | UG385/U | WL-VL |
| E | SWL-1227-S1 | WR-12 | 60.0 to 90.0 | 1.05:1 | 0.5 | UG387/U | WL-EL |
| W | SWL-1027-S1 | WR-10 | 75.0 to 110.0 | 1.05:1 | 0.5 | UG387/U-M | WL-WL |
| K | SWL-4240-S1 | WR-42 | 18.0 to 26.5 | 1.05:1 | 10 | UG595/U | WL-KM |
| Ka | SWL-2840-S1 | WR-28 | 26.5 to 40.0 | 1.05:1 | 10 | UG599/U | WL-AM |
| Q | SWL-2237-S1 | WR-22 | 33.0 to 50.0 | 1.05:1 | 5 | UG383/U | WL-QM |
| U | SWL-1937-S1 | WR-19 | 40.0 to 60.0 | 1.06:1 | 5 | UG383/U-M | WL-UM |
| V | SWL-1537S-1 | WR-15 | 50.0 to 75.0 | 1.06:1 | 5 | UG385/U | WL-VM |
| E | SWL-1237-S1 | WR-12 | 60.0 to 90.0 | 1.06:1 | 5 | UG387/U | WL-EM |
| W | SWL-1037-S1 | WR-10 | 75.0 to 110.0 | 1.06:1 | 5 | UG387/U-M | WL-WM |

CUSTOM DESIGNED MODELS:

Sage Millimeter's custom designed waveguide termination model numbers are configured per following format. Customers may refer to the format and specify their own model numbers accordingly when placing the order.

SWB - WG PP - XY

WG is the waveguide size. For example, WR-10 = 10

PP is the power level in dBm. For example, 34 dBm = 34

X is the type of the termination. "S" is standard, "C" is custom built.

Y is factory assigned sequential number.

- Example: 1) SWL-1040-C1 is a custom designed WR-10 waveguide termination with power handling up to 10 watts. "1" is a factory assigned sequential number.
2) SWL-2843-C1 is a custom designed WR-28 waveguide termination with power handling up to 20 watts. "1" is a factory assigned sequential number.