

Air Guard Series

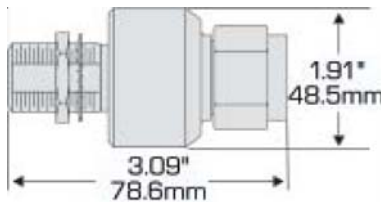
The QWS/GT Series (Wideband Quarterwave Tubeless Stub) of surge protectors prevent surges and transient overvoltages. Utilizing an innovative “tubeless” design, these surge protectors deliver true W-I-D-E-B-A-N-D performance. These compact units have a high transient current capability with extremely low Passive Intermodulation (PIM). Typical applications for the QWS/GT includes the protection of cellular, PCS and even 3G frequencies. It is also ideal as a single stock item device that can be used in any system up to 2,200MHz with outstanding performance.

Features

- Multi-application
- Low passive intermodulation (PIM)
- Weatherproof
- 120kA surge current rated
- .82 to 2.2GHz
- No discrete components to fail
- Nickel plated for corrosion resistance

SPECIFICATIONS

Max. discharge current: 60kA (8/20 μ s)
 Max. power rating (VSWR): 1.15:1
 Frequency range: .82 to 2.2GHz
 Peak pulse current (8.20 μ s): 120kA
 Impedance: 50 Ω
 RF power handling: To 3kW
 Passes DC: 15Adc up to 48Vdc
 Low passive Intermod: -150 dBc Pim
 (3rd order at 2x43 dBm tones)



| Model | Mounting Connector | Second Connector | Impedance |
|---------|----------------------|------------------|-------------|
| AT51041 | 7/16 Female Bulkhead | 7/16 Male | 50 Ω |
| AT51042 | 7/16 Female Bulkhead | 7/16 Female | 50 Ω |

Optimum Performance Frequencies

| Frequency (GHz) | VSWR | Insertion Loss (dB) | Protection Level Current |
|-----------------|------------------|---------------------|--------------------------|
| 0.82 to 2.2 | 1.05:1 to 1.15:1 | 0.05 to 1.10 | 120kA |

Brackets

| Model | Connectors | Diameter |
|---------|------------|----------|
| AT51074 | 7/16 DIN | 1.146" |