



LP-WBX Series

- *Filter based Protection Circuit*
 - *Broadband Outstanding IL/RL*
 - *DC Blocked for Superior Surge Performance*
 - *Ultra Broadband Multi-Strike Design*
- *Fully Weatherized Housing*



Lightning and Surge Protection for The 21st Century™

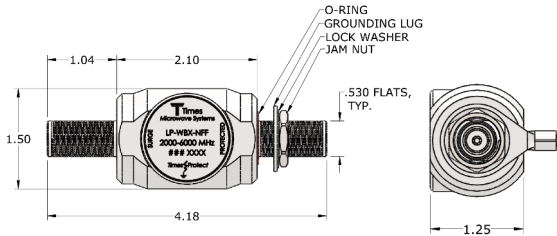
The LP-WBX-N high performance series uses a filter circuit to provide exceptional lightning protection over the 2000-6000MHz frequency band, covering both the unlicensed WiFi bands and several licensed operating bands.

Unlike competitive protectors, the white bronze plated construction of the LP-WBX-N series eliminates potential galvanic corrosion issues and provides long life in hostile environments. The fully weatherized housing is sealed to IP65 allowing for outdoor as well as indoor installation.

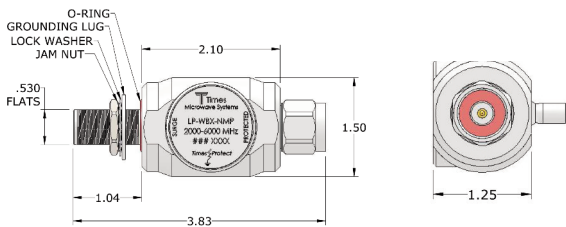
LP-WBX-N Series:

- LP-WBX-NFF
N Female connectors on surge and protected sides
- LP-WBX-NMP
N Male connector on protected side with N Female connector on surge side
- LP-WBX-NMS
N Male connector on surge side with N Female connector on protected side

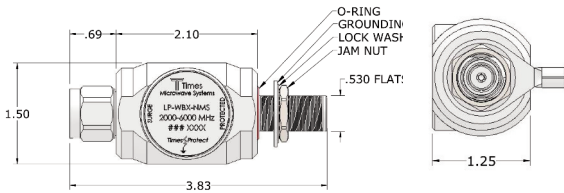




- LP-WBX-NFF
2000 - 6000MHz N Type F/F



- LP-WBX-NMP
2000 - 6000MHz N Type M on Protected



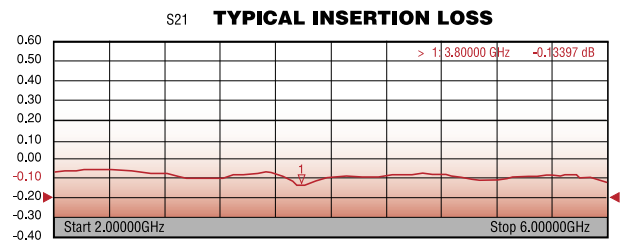
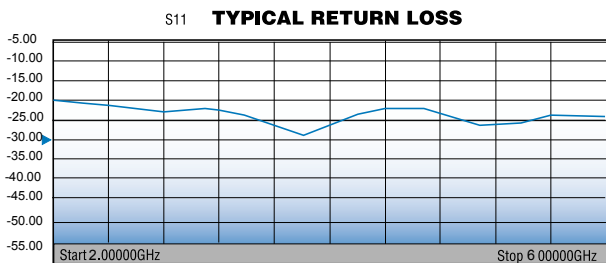
- LP-WBX-NMS
2000 - 6000MHz N Type M on Surge

*All dimensions shown in inches

| Electrical Specifications | |
|---------------------------|---|
| Impedance | 50 Ω |
| Frequency Range | 2000 - 6000 MHz |
| VSWR/Return Loss | <1.2:1 / <-20dB |
| Insertion Loss | < 0.2dB |
| Average Power | 50W |
| Maximum Surge Current | 20kA max / 10kA multiple (8x20μs wave-form) |
| Residual Pulse Voltage | < 3V (6kV/3kA 1.2x50/8x20μs wave-form) |
| Energy Throughput | <150nJ |
| Protection Circuit | DC Blocked |

| Mechanical / Environmental Specifications | |
|---|----------------------------------|
| Temp Range Storage/Operating | -40°C - +85°C |
| Weatherization | IEC 60529 & IP65 |
| Thermal Shock | US MIL-STD 202, Meth.107, Cond.B |
| Vibration | US MIL-STD 202, Meth.204, Cond.B |
| Shock | US MIL-STD 202, Meth.213, Cond.I |
| RoHS Compliant | Yes |
| Mating Life Cycle | > 500 |
| Recommended Coupling Nut Torque | 7-10 in-lb |

| Material Specifications | | |
|-------------------------|-----------------|--------------|
| Component | Material | Plating |
| Body | Aluminum | White Bronze |
| Connector Housing | Brass | White Bronze |
| Inner Conductor Male | Brass | Silver |
| Inner Conductor Female | Phosphor Bronze | Silver |
| Coupling Nut | Brass | White Bronze |
| Insulator | PTFE | -- |
| O-Ring | Silicone Rubber | -- |



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