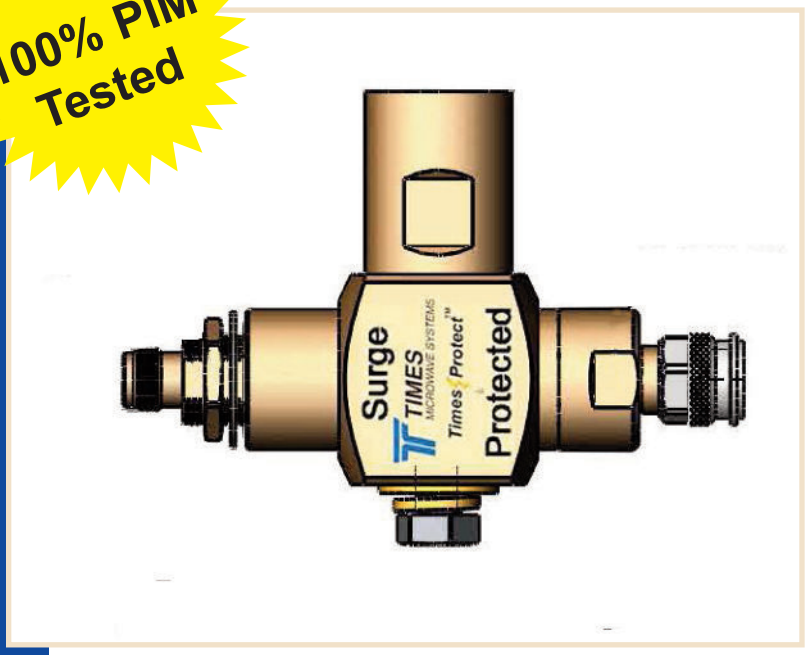
Times Protect®

ISO 9001 Certified

100% PIM Tested

LP-STRH-N Series

- *Excellent PIM Performance*
- *Outstanding IL/RL Characteristics*
- *DC Blocked for Superior Surge Performance*
- *High Surge Current Rating*
- *Broadband Multi-Strike Design*
- *High Power Rated*
- *Fully Weatherized Housing*
- *Solid Brass Construction for Durability and Long Life*



Lightning and Surge Protection for The 21st Century™

The **Times Protect®** LP-STRH-N is an exceptional DC blocked design for superior surge performance, capable of withstanding multiple lightning strikes. The operating band width of 700MHz-2700MHz makes the LP-STRH-N suitable for a broad range of applications. With its excellent passive intermodulation performance, outstanding RF performance over the entire operating band and excellent power handling capability, the LP-STRH-N product is unequaled. Its fully weatherized housing meeting IP67 standard allows for outdoor as well as indoor installation.

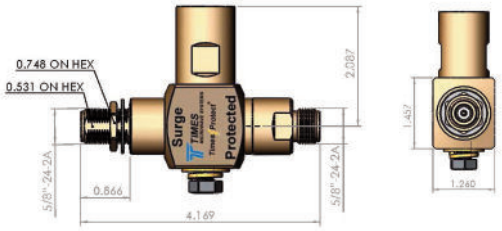
LP-STRH-N Series:

- LP-STRH-NFF
  N Female connectors on surge and protected sides

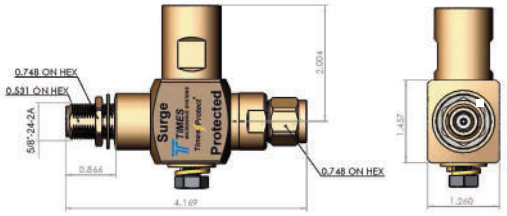
- LP-STRH-NMP
  N Male connector on protected side with N Female connector on surge side

- LP-STRH-NMS
  N Male connector on surge side with N Female connector on protected side

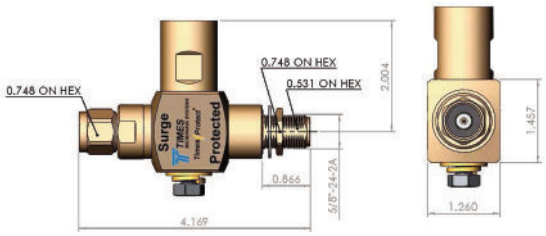
Times-Protect®



• LP-STRH-NFF
700-2700MHz DC Blocked N Type F/F



• LP-STRH-NMP
700-2700MHz DC Blocked N Type M on Protected



• LP-STRH-NMS
700-2700MHz DC Blocked N Type M on Surge

*All dimensions shown in inches

Electrical Specifications

Impedance	50 Ω
Frequency Range	700-2700 MHz
VSWR/Return Loss	< 1.2:1 / <-24dB (700-840MHz) < 1.1:1 / <-26dB (840-2700MHz)
Insertion Loss	< 0.1dB
Average Power	500 Watts
PIM	<-160 dBc
Maximum Surge Current	50kA (8x20μs wave-form)
Residual Pulse Voltage	< 100V (50kA 8x20μs wave-form)
Residual Pulse Voltage	< 1V (4kV/2kA 1.2x50/8x20μs wave-form)
Energy Throughput Rating	< 1nJ (4kV/2kA 1.2x50/8x20μs wave-form)
Protection Circuit	DC Blocked

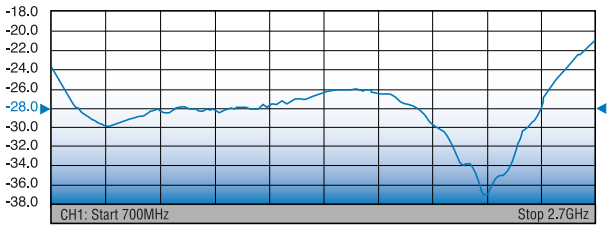
Mechanical / Environmental Specifications

Temp Range Storage/Operating	-40°C - +85°C
Weatherization	IEC 60068 55/155/56 & IP67
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
Wear/Mating Cycles	500 minimum
Recommended Coupling Nut Torque	7 to 10 in-lb
Unit Weight	0.53kg/pc 1.17lb

Material Specifications

Component	Material	Plating
Body	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	--

S11 **TYPICAL RETURN LOSS**



S21 **TYPICAL INSERTION LOSS**