



LP-STR-D Series

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

100% PIM Tested



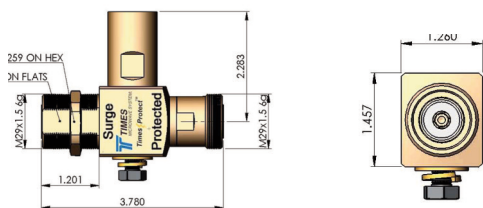
Lightning and Surge Protection for The 21st Century™

The **Times Protect®** LP-STR-D high performance series is an exceptional DC blocked design for outstanding surge performance. The operating bandwidth of 800MHz-2500MHz makes the LP-STR-D series suitable for a broad range of applications. With its excellent passive intermodulation performance, outstanding RF performance over the entire operating band and superior power handling capability, the LP-STR-D product family is unequalled. Its fully weatherized housing meeting IP67 standard allows for outdoor as well as indoor installation.

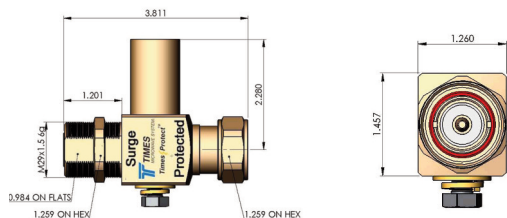
LP-STR-D Series:

- LP-STR-DFF
716 DIN Female connectors on surge and protected side
- LP-STR-DMP
716 DIN Male connector on protected side with 716 DIN Female connector on surge side
- LP-STR-DMS
716 DIN Male connector on surge side with 716 DIN Female connector on protected side

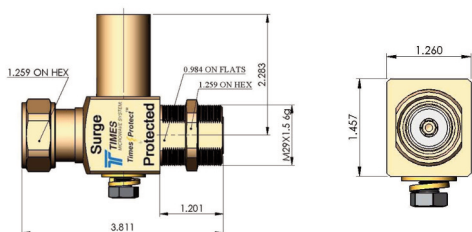




- LP-STR-DFF
800-2500MHz DC Blocked DIN Type F/F



- LP-STR-DMP
800-2500MHz DC Blocked DIN Type M on Protected



- LP-STR-DMS
800-2500MHz DC Blocked DIN Type M on Surge

*All dimensions shown in inches

Electrical Specifications

Impedance	50 Ω
Frequency Range	800-2500 MHz
VSWR / Return Loss	<1.13:1 / <-24dB (800-840MHz) <1.1:1 / <-26dB (840-2500MHz)
Insertion Loss	< 0.1dB
Average Power	700 Watts
PIM	<-160 dBc
Maximum Surge Current	50kA (8/20μs wave-form)
Residual Pulse Voltage	< 100V (50kA 8/20μs 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

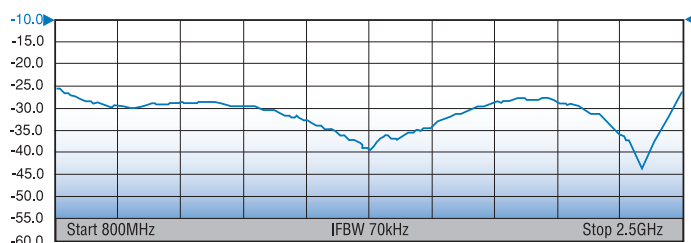
Mechanical / Environmental Specifications

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
Mating Life Cycle	> 500
Recommended Coupling Nut Torque	220 to 300 lb-in
Unit Weight	0.6kg/pc 1.32lb

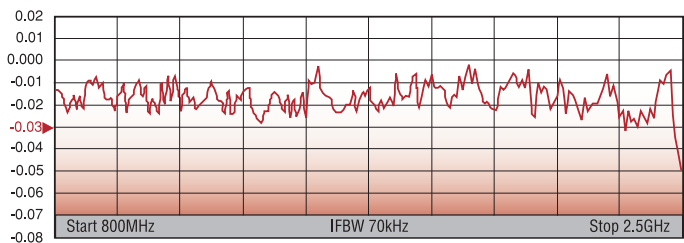
Material Specifications

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 (dB)**



S21 **TYPICAL INSERTION LOSS (dB)**



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