



## LP-STRL-D Series

- Long Term Evolution (LTE) and 700 MHz Public Safety Applications
- Excellent PIM Performance
- Outstanding IL/RL Characteristics
- DC Blocked for Superior Surge Performance
- High Surge Current/Power Rated
- Broadband Multi-Strike Design
- Fully Weatherized Housing
- Solid Brass Construction for Durability and Long Life



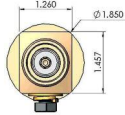
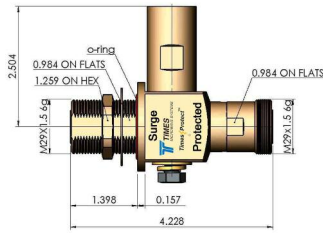
## Lightning and Surge Protection for The 21st Century™

The **Times Protect™** high performance series is an exceptional DC blocked design for outstanding surge performance, capable of withstanding multiple lightning strikes. The operating band width of 680MHz-2200MHz makes the LP-STRL-D series suitable for a broad range of applications. This design covers the 700MHz Band for Public Safety Services as well as LTE (Long Term Evolution) applications. With its excellent passive intermodulation performance, outstanding RF performance over the entire operating band and superior power handling capability, the LP-STRL-D product family is unequalled. Its fully weatherized housing meeting IP67 standard allows for outdoor as well as indoor installation.

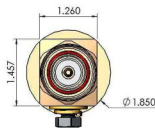
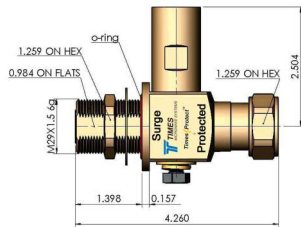
- LP-STRL-DFF  
716 DIN Female connectors on surge and protected side
- LP-STRL-DMP  
716 DIN Male connector on protected side with 716 DIN Female connector on surge side
- LP-STRL-DMS  
716 DIN Male connector on surge side with 716 DIN Female connector on protected side



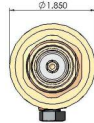
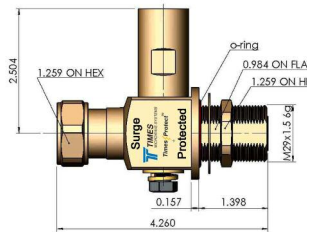
# Times-Protect™



- LP-STRL-DFF  
680-2200MHz DC Blocked DIN Type F/F



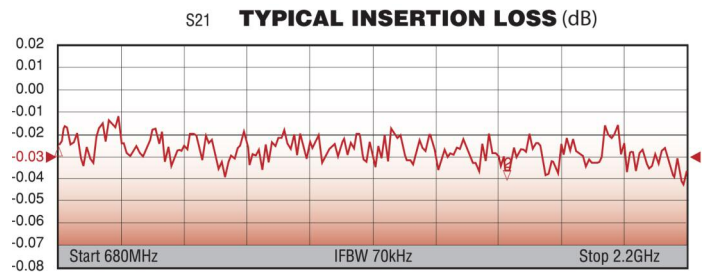
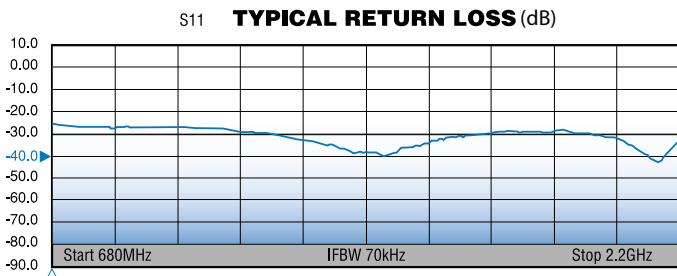
- LP-STRL-DMP  
680-2200MHz DC Blocked DIN Type M on Protected



- LP-STRL-DMS  
680-2200MHz DC Blocked DIN Type M on Surge

\*All dimensions shown in inches

Electrical Specifications		
Impedance	50 Ω	
Frequency Range	680-2200 MHz	
VSWR / Return Loss	< 1.13:1 / <-24dB (680-700MHz) <1.1:1 / <-26dB (700-2200MHz)	
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	--



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