

LP-HBR-U Series

- 1.8MHz to 100MHz
- Covers 160-6 Meter Bands
- 2 kW Average RF Power Rating
- DC Blocked RF Path
- Multi-Strike Capability
- Less Than 0.1 dB Insertion Loss
- UHF Connectors
- White Bronze Plated Body
- IP-65 Rated for Outdoor Use
- Bulkhead or Flange Installation





Lightning and Surge Protection for The 21st CenturyTM

The **Times Protect** LP-HBR-U series high performance surge arrestor series addresses applications in the 1.8MHz - 100MHz spectrum that includes the 160-6 meter amatuer radio bands.

Our unique DC blocking technology employed in this gas tube design provides optimum isolation of the antenna port from the protected equipment port for maximum surge protection. LP-HBR-U series surge protectors have exceptional RF performance and are constructed from the highest quality materials for unsurpassed durability and longevity. They equal or surpass all applicable industry standards.

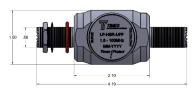
The LP-HBR-U series product family is available with three connector configurations to satisfy various installation requirements.

LP-HBR-U Series:

- LP-HBR-UFF UHF Female connectors on surge and protected sides
- LP-HBR-UMP UHF Male connector on protected side with UHF Female connector on surge side
- LP-HBR-UMS
 UHF Male connector on surge side with UHF Female connector on protected side

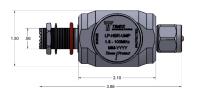


Times-Protect®





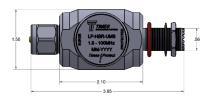
LP-HBR-UFF
 1.8 - 100MHz DC Blocked UHF Type F/F





• LP-HBR-UMP

1.8 - 100MHz DC Blocked UHF Male on Protected Side





• LP-HBR-UMS

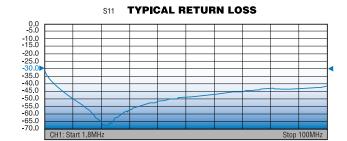
1.8 - 100MHz DC Blocked UHF Male on Surge Side

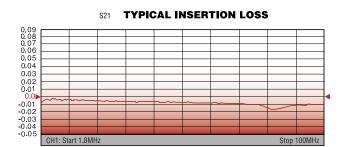


LP-BFU-AL Bracket (Included)

Electrical Specifications		
Impedance	50 Ω	
Frequency Range	1.8 MHz - 100MHz	
VSWR/Return Loss	<1.06:1 / <-30dB	
Insertion Loss	< 0.1dB	
Maximum Peak RF Voltage	4400 Volts	
Maximum Surge Current	20 kA Single Strike	
Energy Throughput Rating	<12 mJ	
Power Handling - Average	2000 Watts	
Impulse Spark-Over Voltage	2000 Volts Nominal	
DC Turn On Voltage	1400 Volts Nominal	
Protection Circuit	DC Blocked, Uni-Directional	
Mechanical / Environmental Specifications		
Temp Range Storage/Operating	-40°C - +85°C / -40°C - +50°C	
Weatherization	IP-65	
Vibration	US MIL-STD 202, Method 204-B	
RoHS Compliant	Yes	
Mating Life Cycle	> 500	
Recommended Coupling Nut Torque	7 to 10 in-lb	
Unit Weight	8.0 oz / 227g	
Material Specifications		

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







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^{*}All dimensions shown in inches