

LP-HBX-D Series

- DC Blocked for Maximum RF Surge Protection
- Multi-Strike Capability
- Broadband Performance from 100MHz up to 700MHz
- Exceptional RF Characteristics
- High Power Design for Single & Multi Channel Coax Applications
- Universal Mounting/Grounding Bracket Included







Lightning and Surge Protection for The 21st CenturyTM

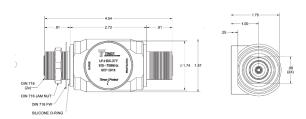
The **Times Protect** LP-HBX-D series high performance surge arrestor series addresses applications in the 100MHz-700MHz spectrum. Our unique DC blocking technology employed in this design provides optimum isolation of the antenna port from the protected equipment port for maximum surge protection. LP-HBX-D series surge protectors have exceptional RF performance and are constructed from the highest quality materials for unsurpassed durability and longevity. These units meet and surpass all applicable industry standards.

The LP-HBX-D series product family is available with DIN connector configurations to satisfy various installation requirements.

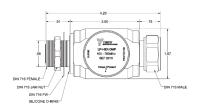
LP-HBX-D Series:

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

Times-Protect®

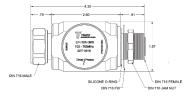


• LP-HBX-DFF DC Blocked DIN Type Female/Female



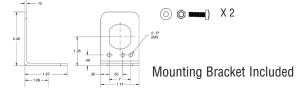


LP-HBX-DMP
 DC Blocked DIN Type Male on Protected





 LP-HBX-DMS DC Blocked DIN Type Male on Surge





Electrical Specifications				
Impedance		50 Ω		
Frequency Range		100-700 MHz		
VSWR/Return Loss		<1.15:1 / <-23dB (100-150 MHz) <1.1:1 / <-26dB (150-700 MHz)		
Insertion Loss		< 0.1dB		
Impulse Discharge Currer	nt	20KA multiple (8x20µs wave-form)		
Residual Pulse Voltage		<5V@6kV/3kA (8x20µs wave-form)		
Energy Throughput Rating		< 1.4µJ @ 6kV/3kA (8x20µs wave-form)		
Power Handling		750 Watts		
Protection Circuit		DC Blocked		
Mechanical / Environmental Specifications				
Temp Range Storage/Ope	<u> </u>	<u> </u>	°C / -40°C - +50°C	
Temp Range Storage/Ope Weatherization	<u> </u>	<u> </u>		
	<u> </u>	-40°C - +85° IP 65		
Weatherization	<u> </u>	-40°C - +85° IP 65 US MIL-STD	°C / -40°C - +50°C	
Weatherization Thermal Shock	<u> </u>	-40°C - +85° IP 65 US MIL-STD	°C / -40°C - +50°C 0 202, Meth.107,Cond.B	
Weatherization Thermal Shock Vibration	<u> </u>	-40°C - +85° IP 65 US MIL-STD	CC / -40°C - +50°C 202, Meth.107,Cond.B 202, Meth.204,Cond.B	
Weatherization Thermal Shock Vibration Shock	<u> </u>	-40°C - +85° IP 65 US MIL-STD US MIL-STD US MIL-STD	CC / -40°C - +50°C 202, Meth.107,Cond.B 202, Meth.204,Cond.B	
Weatherization Thermal Shock Vibration Shock RoHS Compliant	erating	-40°C - +85° IP 65 US MIL-STD US MIL-STD US MIL-STD Yes > 500	202, Meth.107,Cond.B 202, Meth.204,Cond.B 202, Meth.213,Cond.I	
Weatherization Thermal Shock Vibration Shock RoHS Compliant Mating Life Cycle	erating	-40°C - +85° IP 65 US MIL-STD US MIL-STD US MIL-STD Yes > 500	202, Meth.107,Cond.B 202, Meth.204,Cond.B 202, Meth.213,Cond.I	
Weatherization Thermal Shock Vibration Shock RoHS Compliant Mating Life Cycle Recommended Coupling Unit Weight	erating Nut Torque	-40°C - +85° IP 65 US MIL-STD US MIL-STD US MIL-STD Yes > 500 220 to 300 i	2C / -40°C - +50°C 2 202, Meth.107,Cond.B 2 202, Meth.204,Cond.B 2 202, Meth.213,Cond.I	

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		

^{*}All dimensions shown in inches

