

Company and Product Overview 2016

The NexTek logo is positioned on the left side of the image. It consists of a white icon of a stylized 'N' inside a square, followed by the word 'NexTek' in a bold, white, sans-serif font. The background of the entire slide is a night-time photograph of a city skyline, likely New York City, with numerous skyscrapers illuminated. A large, bright lightning bolt strikes down from the dark, cloudy sky, passing behind the city buildings. The lights from the city and the lightning are reflected in the water in the foreground, which shows some motion blur.

- Small Business - Privately Held Company.
- Headquartered in Westford, MA USA.
- Founded in 1986 – 30 Years of Design Excellence.
- Moved to New Facility in 2012 to Support Growth.
- An ISO 9001:2008 Certified Company (Re-Certified in June 2016).
- Full Fledged R&D Facility for Product Design and Development.
- Broad Product Suite
- All Products Designed and Assembled in the USA.
- 35,000+ Units Shipped Annually.
- Strong Focus on Partnerships

Coaxial Lightning Protection



- Ten (10) Product Families for Various Applications
- DC to 18 GHz
- Excellent RF Performance
- Gas Tube, 1/4 Wave Stub and Multistage Designs
- DC Block or DC Pass
- Numerous Connector Options
- MIL Standards
- Class-Leading Surge Ratings
- High Quality Designs & Materials





BTL Series

Bias-T with Surge Protection

- Frequency: 80 MHz to 3.6 GHz, varying sub bands
- DC Pass
- Fixed Gas Tube
- 50X** The Industry Impulse Life
- Injects or Retrieves DC Power
- RF Connector: 7/16 DIN or N
- DC Connector: SMA or TNC
- Bi-Directional Protection
- Low PIM
- >80kA Surge Capability
- Low VSWR



FPL Series

GPS Satellite Navigation Protector

- Frequency: 1.15 to 1.61 GHz
- DC Pass for Amplified Antennas
- Hybrid Design
- 10X Multiple Strike
- RF Connector Options: TNC or N
- RF Power 30 watts
- Bi-Directional Protection
- Very Low Let Through Voltage
- Varying Nominal Voltage Ratings: +5V to +48V & -48V
- Waterproof and Rugged Design: IP68 & MIL STD 202



FPN Series

HEMP / NEMP Protector

- Frequency: DC to 18 GHz, varying sub bands
- DC Block
- 30A LEMP or 60A NEMP Protection
- Sub-Nanosecond Response Time
- RF Connector Options: BNC, N, SMA & TNC
- Excellent RF Performance
- Designed to MIL-STD-188-125-1, MIL-STD-461 & MIL-STD-464.
- Waterproof and Rugged Design: IP68 & MIL STD 202



PGT Series *High RF Power Arrestor*

- Frequency: 0.82 to 2.2 GHz
- DC Pass
- Fixed Gas Tube
- 50X** The Industry Impulse Life
- High RF Power, 2kW / 25kW Peak
- RF Connector: 7/16 DIN
- Bi-Directional Protection
- Low PIM
- Low VSWR
- Waterproof and Rugged Design: IP68 & MIL STD 202



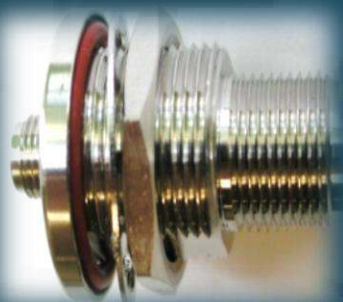
PTC Series *GDT Lightning Arrestor*

- Frequency DC to 12.5 GHz, varying sub bands
- DC Pass
- Fixed Gas Tube
- RF Connector Options: BNC, N, SMA & TNC
- Bi-Directional Protection
- Multiple Strike Protection
- Protection Voltage Ranges: 90 to 1000V
- Low VSWR
- Waterproof and Rugged Design: IP68 & MIL STD 202



PTCF Series *GDT Lightning Arrestor, 75 Ohm*

- Frequency: DC to 2.5 GHz
- DC Pass
- Fixed Gas Tube
- RF Connector: F-Type
- Multiple Strike Capability
- >20kA Surge Capability
- Low VSWR
- Waterproof and Rugged Design: IP68 & MIL STD 202



PTI Series **Compact Lightning & EMP Arrestor**

- Frequency: 2 MHz to 2.0 GHz, varying sub bands
- DC Block
- Reduced Let-Through Energy
- Fixed Gas Tube
- RF Connector: SMA to TNC
- Bi-Directional Protection
- 10kA Surge Capability
- Low VSWR
- Waterproof and Rugged Design: IP68 & MIL STD 202



PTR Series **GDT Lightning Arrestor**

- Frequency DC to 6.0 GHz, varying sub bands
- DC Pass
- Replaceable Gas Tube
- RF Connector Options: 7/16 DIN BNC, N, SMA & TNC
- Bi-Directional Protection
- Multiple Strike Protection
- Protection Voltage Ranges: 90 to 1000V
- Low VSWR
- Waterproof and Rugged Design: IP68 & MIL STD 202



QSS Series **Quarter Wave Stub Arrestor**

- Frequency DC to 6.0 GHz, varying sub bands
- DC Block
- RF Connector Options: BNC, N, SMA & TNC, Reverse
- Reverse Polarity RF Connectors
- Bi-Directional Protection
- Multiple Strike Protection
- 20kA Surge Capability
- Low VSWR
- Waterproof and Rugged Design: IP68 & MIL STD 202



QWS Series Quarter Wave Stub Arrestor

- Frequency DC to 18.0 GHz, varying sub bands
- DC Block
- RF Connector: Type "N"
- Bi-Directional Protection
- Multiple Strike Protection
- 60kA Surge Capability
- Low VSWR
- Waterproof and Rugged Design: IP68 & MIL STD 202
- Designed to MIL-STD-461
- Excellent Arrestor for all types of EMP



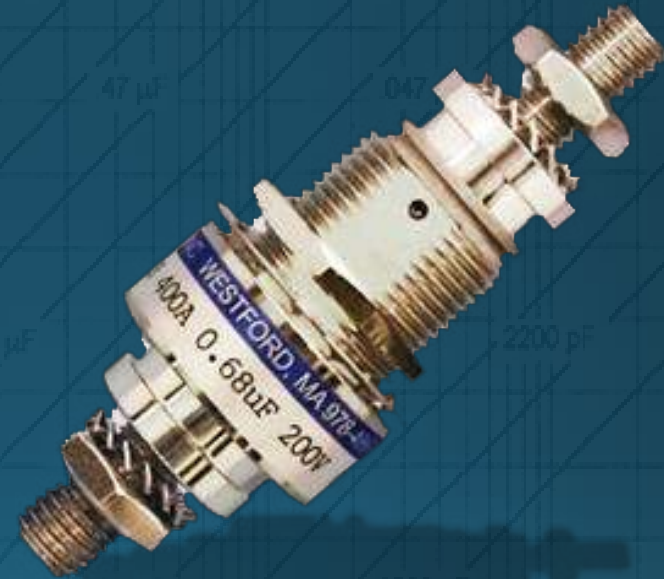
Custom Arrestors

- Low Cost, Maintain Budget Constraints
- Rapid Prototypes to Production
- High Quality Control
- Critical Application
- Very High Surge Capability
- Reverse Polarities
- Direct Strike Capable
- Right Angle Designs
- Custom Coatings
- Varying Form Factors, Compact to Extended
- Integration to Antennas and Cable Connectors
- Tamperproof designs

Feed-Through Filters



- High Current C-Type Filters
- High Capacitance up to 22 μ F
- EMI Filtering from 1 KHz to over 1 GHz
- >60dB Insertion Loss
- High Shock & Vibration
- RF Current > 10 Arms
- Imperial and Metric Threads
- Bolt in Style For Ease of Installation
- Rugged Designs: MIL Standards
- Patented Designs
- Extreme HPR "E" Series: 96-Hour Burn-in Cycle for Higher Reliability in the Field



**HPR050**

Voltage & Capacitance

50A			Capacitance μF																				
			.01	.015	.022	.033	.047	.068	.1	.15	.22	.33	.47	.68	1.0	1.5	2.2	3.3	4.7	6.8	10	15	22
Rated Voltage	Vdc	50							✦				✦				✦		✦				
		100							✦				✦				✦		✦				
		200							✦				✦				✦						
		500							✦				✦										
✦ Standard Values																							

**HPR055**

Voltage & Capacitance

55A			Capacitance μF																						
			.01	.015	.022	.033	.047	.068	.1	.15	.22	.33	.47	.68	1.0	1.5	2.2	3.3	4.7	6.8	10	15	22		
Rated Voltage	Vdc	50							+				+					+		+		+			
		100							+				+					+		+					
		200							+				+					+							
		500							+				+					+							
	Vac	120			+			+					+												
		250			+																				
																							+	Standard Values	



HPR100

Voltage & Capacitance

100A			Capacitance μF																					
			.01	.015	.022	.033	.047	.068	.1	.15	.22	.33	.47	.68	1.0	1.5	2.2	3.3	4.7	6.8	10	15	22	
Rated Voltage	Vdc	50							+					+			+		+					
		100							+					+			+		+					
		200							+					+			+							
		500							+					+										
✦ Standard Values																								

**HPR140**

Voltage & Capacitance

140A			Capacitance μF																				
			.01	.015	.022	.033	.047	.068	.1	.15	.22	.33	.47	.68	1.0	1.5	2.2	3.3	4.7	6.8	10	15	22
Rated Voltage	Vdc	50							+				+				+		+				
		100							+				+				+		+				
		200							+				+				+						
		500							+				+		+								
	Vac	120			+			+															
		250			+																		

Standard Values

**HPR175**

Voltage & Capacitance

175A		Capacitance μF																				
		.01	.015	.022	.033	.047	.068	.1	.15	.22	.33	.47	.68	1.0	1.5	2.2	3.3	4.7	6.8	10	15	22
Rated Voltage	Vdc	50						✦				✦				✦						
		100						✦				✦				✦						
		200						✦				✦				✦						
		500						✦				✦										
✦ Standard Values																						



HPR250

Voltage & Capacitance

250A			Capacitance μ F																					
			.01	.015	.022	.033	.047	.068	.1	.15	.22	.33	.47	.68	1.0	1.5	2.2	3.3	4.7	6.8	10	15	22	
Rated Voltage	Vdc	50							+				+				+			+				
		100							+				+				+			+				
		200							+				+					+		+				
		500							+						+							+		
			+ Standard Values																					



HPR300

Voltage & Capacitance

300A			Capacitance μF																						
			.01	.015	.022	.033	.047	.068	.1	.15	.22	.33	.47	.68	1.0	1.5	2.2	3.3	4.7	6.8	10	15	22		
Rated Voltage	Vdc	100							+				+				+		+		+				
		200							+				+				+		+		+				
		500							+				+		+										
		1000							+													+			
	Vac	120			+			+	+																
		250			+			+																	
			+ Standard Values																						



HPR400

Voltage & Capacitance

[illegible]



Military (DOD), Government, Homeland Security

- PTC, PTR, QSS & QWS Arrestors
- HPR Filters



Automotive (Electric/Hybrid)

- PTC & PTR Arrestors
- HPR Filters



GPS

- FPL, PTC & PTR Arrestors



Medical Imaging

- HPR Filters



Industrial Laser

- HPR Filters

Avionics / Aerospace



- FPL, PTC, PTR, QSS & QWS Arrestors
- HPR Filters



Broadband Wireless

- PTC, PTCF, PTR, QSS & QWS Arrestors



Remote Monitoring - SCADA

- PTC, PTCF, PTR, QSS & QWS Arrestors



Public Safety / CCTV

- PTC, PTCF & PTR Arrestors

Website – <http://nextek.com>

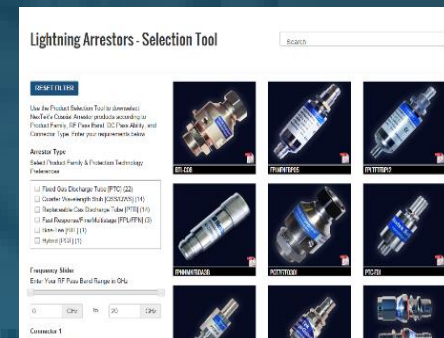
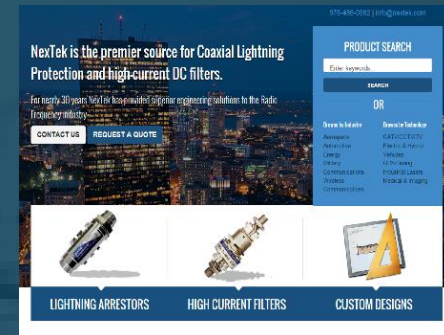
- .PDF Datasheets, 2D Drawings, and 3D Models available for each product!
- Dynamic Product Selection Tools – Enter critical information to down-select from our range of solutions
- Active Blog/News Page: 3-6 new posts per month
- Technical Resources Library

Content – Selection Guides, Cheat Sheets, etc.

- One Sheet Capabilities Overview
- One Page “Cheat Sheets” for each product line
- Multi-page Selection Guides for each product line – Contains more extensive information

Support

- Local support through Representative Companies around the Globe.



- Expertise in what we do! 30 years Experience Designing and Manufacturing standard, modified and 100% custom solutions.
- Strong Emphasis on Partnerships: Viewed as a Strategic Partner for Reliable and High Quality Lightning and EMI/EMC Products.
- Quality Control: ISO9001:2008 Certified
- Exceptional Support:
 - Local Factory Support from Manufacturer Representatives.
 - Superb Customer Service
 - Quick Deliveries