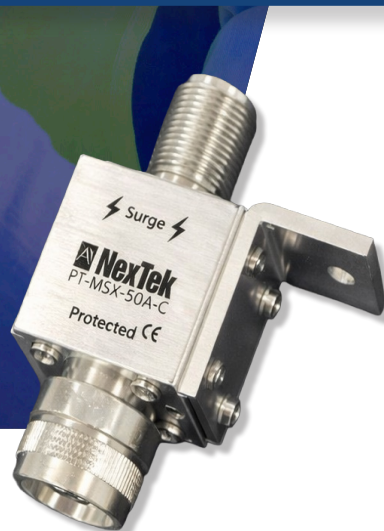




HIGH-PERFORMANCE SURGE ARRESTORS FOR CRITICAL APPLICATIONS

Protecting Mission Critical
Communications from the Ground Up!



NexTek with expertise of over 40 years of design and manufacturing of surge protection solutions for all types of threat levels and events: Lightning (LEMP), Static (ESD), near-instantaneous Nuclear or High Altitude Electromagnet Pulse (HEMP/NEMP) protecting Wireless Communications systems in the Telecom, Industrial, Mil-Aero and Critical Communications markets. Our surge arrestors protect expensive equipment in the air, on the tower, on the vehicle and on the ground. NexTek RF Coaxial and Data Line Surge Protectors have been deployed around the world to reduce transient and voltage surges in communications and Ethernet/Data systems and guard against damage to expensive and sensitive equipment. The NexTek portfolio of surge protection products incorporates various protection topologies and technologies. Dependent on the application requirements, the surge protection technology selection and device possess operational benefits.

NexTek designs, both COTS and Custom, employ the following surge protection topologies:

- Gas Discharge Tubes (GDT) - PTC/PTR Series DC Pass
- Quarter-Wave Stub Technology - QSS/QWS Series DC Shunt/DC Block
- DC Block, Isolated - PTI & DCB Series
- Fine Hybrid, Multi-Stage Filter - FPL, FPD and FPH Series (DC Pass & DC Block)

NexTek RF Coaxial Surge Protectors operate at frequency ranges from DC to 18 GHz (sub-bands vary). Are available with industry standard 50Ω RF interfaces 7/16 DIN, 4.3-10, N-Type, TNC, and SMA connectors having male and female genders. In order to function properly and protect against these surges, the surge protector must be installed, grounded and maintained properly, and used within specified limits. A bulkhead mount is standard for most RF Coaxial Surge Protectors from NexTek. Optional L-Bracket Mounts, Ground Cable Kits and Single Point Ground Kits are available as mounting and grounding accessories.

NexTek prides ourselves in our superior quality, customer service, technical sales support and product availability. Supplying vetted solutions is our goal. We provide a value add in the technical discussion and can work to providing a solution, either COTS, COTS+ or Custom. There are several ways to dialogue directly with NexTek. Please visit the NexTek website (www.nextek.com) to submit a web inquiry, product quote request or search our product selection tool. Additionally, sending an email to Sales@Nextek.com or calling 978.486.0582 will initiate a sales support exchange to provide the best solution.

NexTek designs, manufactures, assembles and tests from our Billerica, Massachusetts USA headquarters, approximately 30 minutes from Boston. All NexTek products feature field proven designs, construction and performance. Products come with a Ten (10) year Factory Warranty.

Additional to RF Coaxial Surge Protection, NexTek, LLC produces the following products:

- High Current Capacitive (C-Type) Feed-through Filters - HPR Series
- High Current High Reliability 96-Hr Burn in Tested Filters - HPR-E Series
- Failsafe Hi Reliability, Redundant Capacitor Array Filters - FSF Series
- Hi-Current Pi (C-L-C) Feed-through Filters & Arrestors - HCP/HCS Series
- AC/DC Line Surge Suppressors - DCL Series and ACL Series
- Data Line Data/Ethernet Surge Suppressors - DLP Series

PTI-BB50 Series

The PTI-BB50 Series incorporates a blocking capacitor and gas discharge tube (GDT) to provide optimum isolation, DC Block and maximum protection for radio equipment. This product series is ideally suited for radio applications within HF, VHF, and UHF bands. The PTI-BB50 surge protectors are constructed with high quality materials and offers excellent RF performance. These units meet and exceed all applicable industry standards.



NexTek PN	Description	Frequency Band (MHz)	Connector Type	Connector Sense (Surge Side-Protected Side)	Surge Protection Technology	DC Voltage (Volts)	Through Current Max. (Amps)	wRF Power Max. (Watts)
PTI-BB50-NFF	Type N F/F (Surge/Protected Sides), RF Coaxial Surge Protector, 1.5MHz - 1000MHz, DC Block, 2kW Max, 5mJ, 50kA, Bulkhead & Multiple Mount L Bracket, Hole Mount	1-1000 MHz	N-Type	F-F	DC Block	0	0	2000
PTI-BB50-NMP	Type N F/M (Surge/Protected Sides), RF Coaxial Surge Protector, 1.5MHz - 1000MHz, DC Block, 2kW Max, 5mJ, 50kA, Bulkhead & Multiple Mount L Bracket, Hole Mount	1-1000 MHz	N-Type	N-Type	DC Block	0	0	2000
PTI-BB50-NMS	Type N M/F (Surge/Protected Sides), RF Coaxial Surge Protector, 1.5MHz - 1000MHz, DC Block, 2kW Max, 5mJ, 50kA, Bulkhead & Multiple Mount L Bracket, Hole Mount	1-1000 MHz	N-Type	M-F	DC Block	0	0	2000
PTI-BB50-NFF-M	Type N F/F (Surge/Protected Sides), RF Coaxial Surge Protector, Remote Monitored Normally OPEN/CLOSED Dry Contacts, 1.5MHz - 1000MHz, DC Block, 2kW Max, 5mJ, 50kA, Bulkhead & Multiple Mount L Bracket, Hole Mount	1-1000 MHz	N-Type	F-F	DC Block	0	0	2000
PTI-BB50-NMP-M	Type N F/M (Surge/Protected Sides), RF Coaxial Surge Protector, Remote Monitored Normally OPEN/CLOSED Dry Contacts, 1.5MHz - 1000MHz, DC Block, 2kW Max, 5mJ, 50kA, Bulkhead & Multiple Mount L Bracket, Hole Mount	1-1000 MHz	N-Type	F-M	DC Block	0	0	2000
PTI-BB50-NMS-M	Type N M/F (Surge/Protected Sides), RF Coaxial Surge Protector, Remote Monitored Normally OPEN/CLOSED Dry Contacts, 1.5MHz - 1000MHz, DC Block, 2kW Max, 5mJ, 50kA, Bulkhead & Multiple Mount L Bracket, Hole Mount	1-1000 MHz	N-Type	M-F	DC Block	0	0	2000
PTI-BB50-NFF-W	Type N F/F (Surge/Protected Sides) Weatherized (IP68 when mated), RF Coaxial Surge Protector, 1.5MHz - 1000MHz, DC Block, 2kW Max, 5mJ, 50kA, Bulkhead & Multiple Mount L Bracket, Hole Mount	1-1000 MHz	N-Type	F-F	DC Block	0	0	2000
PTI-BB50-NMP-W	Type N F/M (Surge/Protected Sides) Weatherized (IP68 when mated), RF Coaxial Surge Protector, 1.5MHz - 1000MHz, DC Block, 2kW Max, 5mJ, 50kA, Bulkhead & Multiple Mount L Bracket, Hole Mount	1-1000 MHz	N-Type	F-M	DC Block	0	0	2000
PTI-BB50-NMS-W	Type N M/F (Surge/Protected Sides) Weatherized (IP68 when mated), RF Coaxial Surge Protector, 1.5MHz - 1000MHz, DC Block, 2kW Max, 5mJ, 50kA, Bulkhead & Multiple Mount L Bracket, Hole Mount	1-1000 MHz	N-Type	M-F	DC Block	0	0	2000
PTI-BB50-NFF-HP	Type N F/F (Surge/Protected Sides) Weatherized (IP68 when mated), RF Coaxial Surge Protector, 1.5MHz - 1000MHz, DC Block, 3kW Max, 10mJ, 50kA, Bulkhead & Multiple Mount L Bracket, Hole Mount	1-1000 MHz	N-Type	F-F	DC Block	0	0	3000
PTI-BB50-NMP-HP	Type N F/M (Surge/Protected Sides) Weatherized (IP68 when mated), RF Coaxial Surge Protector, 1.5MHz - 1000MHz, DC Block, 3kW Max, 10mJ, 50kA, Bulkhead & Multiple Mount L Bracket, Hole Mount	1-1000 MHz	N-Type	F-M	DC Block	0	0	3000
PTI-BB50-NMS-HP	Type N M/F (Surge/Protected Sides) Weatherized (IP68 when mated), RF Coaxial Surge Protector, 1.5MHz - 1000MHz, DC Block, 3kW Max, 10mJ, 50kA, Bulkhead & Multiple Mount L Bracket, Hole Mount	1-1000 MHz	N-Type	M-F	DC Block	0	0	3000

PTC Series

The PTC Series are a fixed Gas Discharge Tube (GDT) Surge Arrestors having Bi-directional operation. The non-replacable GDT has a long service life. PTC Series are DC Pass with various Turn On Voltages available.



NexTek PN	Description	Frequency Band (MHz)	Connector Type	Connector Sense (Surge Side-Protected Side)	Surge Protection Technology	DC Voltage (Volts)	Through Current Max. (Amps)	wRF Power Max. (Watts)
PTC-NFF-180	N-Type, F/F, Bi-directional, Coaxial RF Surge Protector, 180V-Turn On, Non-Replaceable GDT, DC - 7000MHz, DC Pass, 150W, 20kA, 650uJ, Bulkhead & L-Bracket w/ Hardware Included	DC-7000 MHz	N-Type	F-F	DC Pass	60	10	150
PTC-NFF-300	N-Type, F/F, Bi-directional, Coaxial RF Surge Protector, 300V-Turn On, Non-Replaceable GDT, DC - 7000MHz, DC Pass, 450W, 20kA, 650uJ, Bulkhead & L-Bracket w/ Hardware Included	DC-7000 MHz	N-Type	F-F	DC Pass	60	10	450
PTC-NFF-700	N-Type, F/F, Bi-directional, Coaxial RF Surge Protector, 700V-Turn On, Non-Replaceable GDT, DC - 7000MHz, DC Pass, 1000W, 20kA, 650uJ, Bulkhead & L-Bracket w/ Hardware Included	DC-7000 MHz	N-Type	F-F	DC Pass	60	10	1000
PTC-NFM-180	N-Type, F/M, Bi-directional, Coaxial RF Surge Protector, 180V-Turn On, Non-Replaceable GDT, DC - 7000MHz, DC Pass, 150W, 20kA, 650uJ, Bulkhead & L-Bracket w/ Hardware Included	DC-7000 MHz	N-Type	F-M	DC Pass	60	10	150
PTC-NFM-300	N-Type, F/M, Bi-directional, Coaxial RF Surge Protector, 300V-Turn On, Non-Replaceable GDT, DC - 7000MHz, DC Pass, 450W, 20kA, 650uJ, Bulkhead & L-Bracket w/ Hardware Included	DC-7000 MHz	N-Type	F-M	DC Pass	60	10	450
PTC-NFM-700	N-Type, F/M, Bi-directional, Coaxial RF Surge Protector, 700V-Turn On, Non-Replaceable GDT, DC - 7000MHz, DC Pass, 1000W, 20kA, 650uJ, Bulkhead & L-Bracket w/ Hardware Included	DC-7000 MHz	N-Type	F-M	DC Pass	60	10	1000
PTCONFONF09E	E-Series, N-Type, F/F, Bi-directional, Coaxial RF Surge Protector, 90V-Turn On, Non-Replaceable GDT (Other Protection Voltage GDT and RF Power Options Available up to 350VDC), DC - 6000MHz, DC Pass, 30W, 20kA, 500uJ, Bulkhead Mount & Hardware, Optional Accessories (L-Bracket, Ground Ring and Cable Available)	DC-6000 MHz	N-Type	F-F	DC Pass	65	10	30
PTCONMONF09E	E-Series, N-Type, F/M, Bi-directional, Coaxial RF Surge Protector, 90V-Turn On, Non-Replaceable GDT (Other Protection Voltage GDT and RF Power Options Available up to 350VDC), DC - 6000MHz, DC Pass, 30W, 20kA, 500uJ, Bulkhead Mount & Hardware, Optional Accessories (L-Bracket, Ground Ring and Cable Available)	DC-6000 MHz	N-Type	F-M	DC Pass	65	10	30
PTCONFONF09S	S-Series, N-Type, F/F, Bi-directional, Coaxial RF Surge Protector, 90V-Turn On, Non-Replaceable GDT (Other Protection Voltage GDT and RF Power Options Available up to 1000VDC), DC - 3200MHz, DC Pass, 37W, 50kA, 0.3mJ, Bulkhead Mount & Hardware, Optional Accessories (L-Bracket, Ground Ring and Cable Available)	DC-3200 MHz	N-Type	F-F	DC Pass	65	10	37
PTCONMONF09S	S-Series, N-Type, F/M, Bi-directional, Coaxial RF Surge Protector, 90V-Turn On, Non-Replaceable GDT (Other Protection Voltage GDT and RF Power Options Available up to 1000VDC), DC - 3200MHz, DC Pass, 37W, 50kA, 0.3mJ, Bulkhead Mount & Hardware, Optional Accessories (L-Bracket, Ground Ring and Cable Available)	DC-3200 MHz	N-Type	F-M	DC Pass	65	10	37

NexTek PN	Description	Frequency Band (MHz)	Connector Type	Connector Sense (Surge Side-Protected Side)	Surge Protection Technology	DC Voltage (Volts)	Through Current Max. (Amps)	wRF Power Max. (Watts)
PTC-NFF-S	N-Type, F/F, Bi-directional, Coaxial RF Surge Protector, 150V-Turn On, Non-Replaceable GDT, DC - 3000MHz, DC Pass, 40W, 20kA, 500uJ, Bulkhead & L-Bracket w/ Hardware Included	DC-3000 MHz	N-Type	F-F	DC Pass	60	10	40
PTC-NFM-S	N-Type, F/M, Bi-directional, Coaxial RF Surge Protector, 150V-Turn On, Non-Replaceable GDT, DC - 3000MHz, DC Pass, 40W, 20kA, 500uJ, Bulkhead & L-Bracket w/ Hardware Included	DC-3000 MHz	N-Type	F-M	DC Pass	60	10	40
PTCSAFSAF20G	G-Series, SMA, F/F, Bi-directional, Coaxial RF Surge Protector, 200V-Turn On, Non-Replaceable GDT, DC - 12500MHz, DC Pass, 100W, 20kA, 300uJ, Bulkhead Mount & Hardware, Optional Accessories (L-Bracket, Ground Ring and Cable Available)	DC-12500 MHz	SMA	F-F	DC Pass	65	5	100
PTCSAMSAF20G	G-Series, SMA, F/M, Bi-directional, Coaxial RF Surge Protector, 200V-Turn On, Non-Replaceable GDT, DC - 12500MHz, DC Pass, 100W, 20kA, 300uJ, Bulkhead Mount & Hardware, Optional Accessories (L-Bracket, Ground Ring and Cable Available)	DC-12500 MHz	SMA	F-M	DC Pass	65	5	100
PTCONFONF20G	G-Series, N-Type, F/F, Bi-directional, Coaxial RF Surge Protector, 200V-Turn On, Non-Replaceable GDT, DC - 12500MHz, DC Pass, 100W, 20kA, 300uJ, Bulkhead Mount & Hardware, Optional Accessories (L-Bracket, Ground Ring and Cable Available)	DC-12500 MHz	N-Type	F-F	DC Pass	65	5	100
PTCONMONF20G	G-Series, N-Type, F/M, Bi-directional, Coaxial RF Surge Protector, 200V-Turn On, Non-Replaceable GDT, DC - 12500MHz, DC Pass, 100W, 20kA, 300uJ, Bulkhead Mount & Hardware, Optional Accessories (L-Bracket, Ground Ring and Cable Available)	DC-12500 MHz	N-Type	F-M	DC Pass	65	5	100

PTR Series

The PTR Series are Replaceable Gas Discharge Tube (GDT) Surge Arrestors having Bi-directional operation. A Replaceable GDT can be maintained and prolongs the life of the surge device. PTR Series are DC Pass with various Turn On Voltages available.



NexTek PN	Description	Frequency Band (MHz)	Connector Type	Connector Sense (Surge Side-Protected Side)	Surge Protection Technology	DC Voltage (Volts)	Through Current Max. (Amps)	wRF Power Max. (Watts)
PTR7AF7AF23S	S-Series, 7/16 DIN, F/F, Bi-directional, Coaxial RF Surge Protector, 230V-Turn On, Replaceable GDT (Other Protection Voltage GDT and RF Power Options Available 90, 600 & 1000VDC), DC - 2700MHz, DC Pass, 240W, 50kA, 0.5mJ, Bulkhead Mount & Hardware, Optional Accessories (L-Bracket, Ground Ring and Cable Available)	DC-2700 MHz	7/16 DIN	F-F	DC Pass	65	15	250
PTR7AM7AF23S	S-Series, 7/16 DIN, F/M, Bi-directional, Coaxial RF Surge Protector, 230V-Turn On, Replaceable GDT (Other Protection Voltage GDT and RF Power Options Available 90, 600 & 1000VDC), DC - 2700MHz, DC Pass, 240W, 50kA, 0.5mJ, Bulkhead Mount & Hardware, Optional Accessories (L-Bracket, Ground Ring and Cable Available)	DC-2700 MHz	7/16 DIN	F-M	DC Pass	65	15	250

NexTek PN	Description	Frequency Band (MHz)	Connector Type	Connector Sense (Surge Side-Protected Side)	Surge Protection Technology	DC Voltage (Volts)	Through Current Max. (Amps)	wRF Power Max. (Watts)
PTRONFONF09S	S-Series, N-Type, F/F, Bi-directional, Coaxial RF Surge Protector, 90V-Turn On, Replaceable GDT (Other Protection Voltage GDT and RF Power Options Available up to 1000VDC), DC - 3200MHz, DC Pass, 37W, 50kA, 0.3mJ, Bulkhead Mount & Hardware, Optional Accessories (L-Bracket, Ground Ring and Cable Available)	DC-3200 MHz	N-Type	F-F	DC Pass	65	10	37
PTRONMONF09S	S-Series, N-Type, F/M, Bi-directional, Coaxial RF Surge Protector, 90V-Turn On, Non-Replaceable GDT (Other Protection Voltage GDT and RF Power Options Available up to 1000VDC), DC - 3200MHz, DC Pass, 37W, 50kA, 0.3mJ, Bulkhead Mount & Hardware, Optional Accessories (L-Bracket, Ground Ring and Cable Available)	DC-3200 MHz	N-Type	F-M	DC Pass	65	10	37
PTR-NFF-180	N-Type, F/F, Bi-directional, Coaxial RF Surge Protector, 180V-Turn On, Replaceable GDT, DC - 7000MHz, DC Pass, 150W, 20kA, 650uJ, Bulkhead & L-Bracket w/ Hardware Included	DC-7000 MHz	N-Type	F-F	DC Pass	60	10	150
PTR-NFF-300	N-Type, F/F, Bi-directional, Coaxial RF Surge Protector, 300V-Turn On, Replaceable GDT, DC - 7000MHz, DC Pass, 450W, 20kA, 650uJ, Bulkhead & L-Bracket w/ Hardware Included	DC-7000 MHz	N-Type	F-F	DC Pass	60	10	450
PTR-NFF-700	N-Type, F/F, Bi-directional, Coaxial RF Surge Protector, 700V-Turn On, Replaceable GDT, DC - 7000MHz, DC Pass, 1000W, 20kA, 650uJ, Bulkhead & L-Bracket w/ Hardware Included	DC-7000 MHz	N-Type	F-F	DC Pass	60	10	1000
PTR-NFM-180	N-Type, F/M, Bi-directional, Coaxial RF Surge Protector, 180V-Turn On, Replaceable GDT, DC - 7000MHz, DC Pass, 150W, 20kA, 650uJ, Bulkhead & L-Bracket w/ Hardware Included	DC-7000 MHz	N-Type	F-M	DC Pass	60	10	150
PTR-NFM-300	N-Type, F/M, Bi-directional, Coaxial RF Surge Protector, 300V-Turn On, Replaceable GDT, DC - 7000MHz, DC Pass, 450W, 20kA, 650uJ, Bulkhead & L-Bracket w/ Hardware Included	DC-7000 MHz	N-Type	F-M	DC Pass	60	10	450
PTR-NFM-700	N-Type, F/M, Bi-directional, Coaxial RF Surge Protector, 700V-Turn On, Replaceable GDT, DC - 7000MHz, DC Pass, 1000W, 20kA, 650uJ, Bulkhead & L-Bracket w/ Hardware Included	DC-7000 MHz	N-Type	F-M	DC Pass	60	10	1000

DCB-COM Series

The DCB-COM product series incorporates a capacitor circuit making it an excellent DC Block device. This DCBunit offers excellent surge and lightning suppression providing the low let through voltage. These DCB models have rugged, weatherproof IP67 connector designs thus maintaining excellent electrical and environmental performance.



NexTek PN	Description	Frequency Band (MHz)	Connector Type	Connector Sense (Surge Side-Protected Side)	Surge Protection Technology	DC Voltage (Volts)	Through Current Max. (Amps)	wRF Power Max. (Watts)
DCB-COM-NFF	Type N F/F (Surge/Protected Sides), RF Coaxial Surge Protector, 698MHz - 2700MHz, DC Block, 750W Max, 10uJ, 50kA, Bulkhead Mount	698-2700 MHz	N-Type	F-F	DC Block	0	0	750
DCB-COM-NFM	Type N F/M (Surge/Protected Sides), RF Coaxial Surge Protector, 698MHz - 2700MHz, DC Block, 750W Max, 10uJ, 50kA, Bulkhead Mount	698-2700 MHz	N-Type	F-M	DC Block	0	0	750

NexTek PN	Description	Frequency Band (MHz)	Connector Type	Connector Sense (Surge Side-Protected Side)	Surge Protection Technology	DC Voltage (Volts)	Through Current Max. (Amps)	wRF Power Max. (Watts)
DCB-COM-NMF	Type N M/F (Surge/Protected Sides), RF Coaxial Surge Protector, 698MHz - 2700MHz, DC Block, 750W Max, 10uJ, 50kA, Bulkhead Mount	698-2700 MHz	N-Type	M-F	DC Block	0	0	750
DCB-COM-4FF	4.3-10 F/F (Surge/Protected Sides), RF Coaxial Surge Protector, 698MHz - 2700MHz, DC Block, 750W Max, 10uJ, 50kA, Bulkhead Mount	698-2700 MHz	4.3-10	F-F	DC Block	0	0	750
DCB-COM-4FM	4.3-10 F/M (Surge/Protected Sides), RF Coaxial Surge Protector, 698MHz - 2700MHz, DC Block, 750W Max, 10uJ, 50kA, Bulkhead Mount	698-2700 MHz	4.3-10	F-M	DC Block	0	0	750
DCB-COM-4MF	4.3-10 M/F (Surge/Protected Sides), RF Coaxial Surge Protector, 698MHz - 2700MHz, DC Block, 750W Max, 10uJ, 50kA, Bulkhead Mount	698-2700 MHz	4.3-10	M-F	DC Block	0	0	750

DCB-WFI Series

The DCB-WFI series are a broadband surge and lightning protection device with a series capacitive circuit providing DC Block in applications where required.



NexTek PN	Description	Frequency Band (MHz)	Connector Type	Connector Sense (Surge Side-Protected Side)	Surge Protection Technology	DC Voltage (Volts)	Through Current Max. (Amps)	wRF Power Max. (Watts)
DCB-WFI-NFF	Type N F/F (Surge/Protected Sides), RF Coaxial Surge Protector, 2000MHz - 6000MHz, DC Block, 10W Max, 10uJ, 20kA, Bulkhead Mount	2000-6000 MHz	N-Type	F-F	DC Block	0	0	10
DCB-WFI-NFM	Type N F/M (Surge/Protected Sides), RF Coaxial Surge Protector, 2000MHz - 6000MHz, DC Block, 10W Max, 10uJ, 20kA, Bulkhead Mount	2000-6000 MHz	N-Type	F-M	DC Block	0	0	10
DCB-WFI-NMF	Type N M/F (Surge/Protected Sides), RF Coaxial Surge Protector, 2000MHz - 6000MHz, DC Block, 10W Max, 10uJ, 20kA, Bulkhead Mount	2000-6000 MHz	N-Type	M-F	DC Block	0	0	10

QSS & QWS Series

The QSS & QWS Series protectors are designed and built to provide robust protection to antenna transmission line applications. These DC Shorted, Quarter-Wave Technology arrestors are high-performance designs, pairing excellent RF performance with industry-leading surge and let -thru residual performance ratings. Available in various sub bands.



NexTek PN	Description	Frequency Band (MHz)	Connector Type	Connector Sense (Surge Side-Protected Side)	Surge Protection Technology	DC Voltage (Volts)	Through Current Max. (Amps)	wRF Power Max. (Watts)
QSS4F4fBJ00	4.3-10, F-F Bi-directional, DC Shunt, Quarter Wave Technology RF Surge Protector, 3200-4200 MHz, 275W, 30kA, 10uJ, 1.150" dia Bulkhead Mount & Hardware	3200-4200 MHz	4.3-10	F-F	DC Block	0	0	275
QSS4F4FBD00	4.3-10 F-F, Bi-directional, DC Shunt, Quarter Wave Technology RF Surge Protector, 600-900 MHz, 675W, 30kA, 55uJ, 1.150" dia Bulkhead Mount & Hardware	600-900 MHz	4.3-10	F-F	DC Block	0	0	675
QSSNFNF0300	N-Type F-F, Bi-directional, DC Shunt, Quarter Wave Technology RF Surge Protector, 820-2200 MHz, 1200W, 60kA, 15uJ, 0.630" dia Bulkhead Mount & Hardware	820-2200 MHz	N-Type	F-F	DC Block	0	0	1200
QSSNFNM0300	N-Type F-M, Bi-directional, DC Shunt, Quarter Wave Technology RF Surge Protector, 820-2200 MHz, 1200W, 60kA, 15uJ, 0.630" dia Bulkhead Mount & Hardware	820-2200 MHz	N-Type	F-M	DC Block	0	0	1200
QSSNFNF0400	N-Type F-F, Bi-directional, DC Shunt, Quarter Wave Technology RF Surge Protector, 2400-6000 MHz, 500W, 60kA, 9uJ, 0.630" dia Bulkhead Mount & Hardware	2400-6000 MHz	N-Type	F-F	DC Block	0	0	500
QSSNFNM0400	N-Type F-M, Bi-directional, DC Shunt, Quarter Wave Technology RF Surge Protector, 2400-6000 MHz, 500W, 60kA, 9uJ, 0.630" dia Bulkhead Mount & Hardware	2400-6000 MHz	N-Type	F-M	DC Block	0	0	500
QWSNFNF0500	N-Type F-F, Bi-directional, DC Shunt, Quarter Wave Technology RF Surge Protector, 5200-18000 MHz, 375W, 60kA, 250nJ, 0.630" dia Bulkhead Mount & Hardware	5200-18000 MHz	N-Type	F-F	DC Block	0	0	375
QWSNFNM0500	N-Type F-M, Bi-directional, DC Shunt, Quarter Wave Technology RF Surge Protector, 5200-18000 MHz, 375W, 60kA, 250nJ, 0.630" dia Bulkhead Mount & Hardware	5200-18000 MHz	N-Type	F-M	DC Block	0	0	375
QWSNFNF0600	N-Type F-F, Bi-directional, DC Shunt, Quarter Wave Technology RF Surge Protector, 2200-7600 MHz, 500W, 60kA, 500nJ, 0.630" dia Bulkhead Mount & Hardware	2400-6000 MHz	N-Type	F-F	DC Block	0	0	500
QWSNFNM0600	N-Type F-M, Bi-directional, DC Shunt, Quarter Wave Technology RF Surge Protector, 2200-7600 MHz, 500W, 60kA, 500nJ, 0.630" dia Bulkhead Mount & Hardware	2400-6000 MHz	N-Type	F-M	DC Block	0	0	500

FPL Series

The FPL Series are coaxial protectors featuring a multistage hybrid design which provides a high degree of protection for applications where DC current is required require DC on the coaxial line. They offer an extremely effective surge pulse reduction, which makes them an ideal device to protect the most sensitive electronic devices such as GPS, Mobile communications, telemetry, and other radio applications.



NexTek PN	Description	Frequency Band (MHz)	Connector Type	Connector Sense (Surge Side-Protected Side)	Surge Protection Technology	DC Voltage (Volts)	Through Current Max. (Amps)	wRF Power Max. (Watts)
FPLNFNFD000	Type N F/F (Surge/Protected Sides), Fine GPS-L-Band Coaxial RF Surge Protector, 1000MHz to 2000MHz, 5W, DC Block, 30kA, 5V Let Thru, Bulkhead Mount & Hardware Included, Optional Accessories (L-Bracket, Ground Ring and Cable Available)	1000-2000 MHz	N-Type	F-F	DC Block	30	2,5	5
FPLNFNFD05	Type N F/F (Surge/Protected Sides), Fine GPS-L-Band Coaxial RF Surge Protector, 1000MHz to 2000MHz, 5W, DC Block, 30kA, 8V Let Thru, Bulkhead Mount & Hardware Included, Optional Accessories (L-Bracket, Ground Ring and Cable Available)	1000-2000 MHz	N-Type	F-F	DC Pass	60	2,5	5

NexTek PN	Description	Frequency Band (MHz)	Connector Type	Connector Sense (Surge Side-Protected Side)	Surge Protection Technology	DC Voltage (Volts)	Through Current Max. (Amps)	wRF Power Max. (Watts)
FPLTFTFD000	Type N F/F (Surge/Protected Sides), Fine GPS-L-Band Coaxial RF Surge Protector, 1000MHz to 2000MHz, 5W, DC Block, 30kA, 5V Let Thru, Bulkhead Mount & Hardware Included, Optional Accessories (L-Bracket, Ground Ring and Cable Available)	1000-2000 MHz	TNC	F-F	DC Block	30	2,5	5
FPLTFTFD05	Type N F/F (Surge/Protected Sides), Fine GPS-L-Band Coaxial RF Surge Protector, 1000MHz to 2000MHz, 5W, DC Block, 30kA, 8V Let Thru, Bulkhead Mount & Hardware Included, Optional Accessories (L-Bracket, Ground Ring and Cable Available)	1000-2000 MHz	TNC	F-F	DC Pass	60	2,5	5
FPL4F4FBN	4.3-10 F/F, Bi-directional, Coaxial RF Surge Protector, 100MHz - 512MHz, DC Block, 750W, 20kA, 500nJ, Bulkhead & Bracket Mount	100-512 MHz	4.3-10	F-F	DC Block	0	0	750
FPL4M4FBN	4.3-10 M/F, Bi-directional, Coaxial RF Surge Protector, 100MHz - 512MHz, DC Block, 750W, 20kA, 500nJ, Bulkhead & Bracket Mount	100-512 MHz	4.3-10	M-F	DC Block	0	0	750
FPL7F7FBN	7/16 DIN F/F, Bi-directional, Coaxial RF Surge Protector, 100MHz - 512MHz, DC Block, 750W, 20kA, 500nJ, Bulkhead & Bracket Mount	100-512 MHz	7/16 DIN	F-F	DC Block	0	0	750
FPL7M7FBN	7/16 DIN M/F, Bi-directional, Coaxial RF Surge Protector, 100MHz - 512MHz, DC Block, 750W, 20kA, 500nJ, Bulkhead & Bracket Mount	100-512 MHz	7/16 DIN	M-F	DC Block	0	0	750
FPLNFNFBN	N-Type, F/F, Bi-directional, Coaxial RF Surge Protector, 100MHz - 512MHz, DC Block, 750W, 20kA, 500nJ, Bulkhead & Bracket Mount	100-512 MHz	N-Type	F-F	DC Block	0	0	750
FPLNMNFBN	N-Type, M/F, Bi-directional, Coaxial RF Surge Protector, 100MHz - 512MHz, DC Block, 750W, 20kA, 500nJ, Bulkhead & Bracket Mount	100-512 MHz	N-Type	M-F	DC Block	0	0	750
FPLNFNFA06	Type N F/F (Surge/Protected Sides), Coaxial RF Surge Protector, 400MHz to 2700MHz, 300W, DC Pass, 6V, IP67, 25kA, 100uJ, Hybrid Bulkhead/Flange Mount	400-2700 MHz	N-Type	F-F	DC Pass	6	4	300
FPLNFNFA36	Type N F/F (Surge/Protected Sides), Coaxial RF Surge Protector, 400MHz to 2700MHz, 300W, DC Pass, 36V, IP67, 25kA, 1mJ, Hybrid Bulkhead/Flange Mount	400-2700 MHz	N-Type	F-F	DC Pass	36	4	300
FPLNFNMA06	Type N F/M (Surge/Protected Sides), Coaxial RF Surge Protector, 400MHz to 2700MHz, 300W, DC Pass, 6V, IP67, 25kA, 100uJ, Hybrid Bulkhead/Flange Mount	400-2700 MHz	N-Type	F-M	DC Pass	6	4	300
FPLNMNFA06	Type N M/F (Surge/Protected Sides), Coaxial RF Surge Protector, 400MHz to 2700MHz, 300W, DC Pass, 6V, IP67, 25kA, 100uJ, Hybrid Bulkhead/Flange Mount	400-2700 MHz	N-Type	M-F	DC Pass	6	4	300
FPLNMNFA36	Type N M/F (Surge/Protected Sides), Coaxial RF Surge Protector, 400MHz to 2700MHz, 300W, DC Pass, 36V, IP67, 25kA, 1mJ, Hybrid Bulkhead/Flange Mount	400-2700 MHz	N-Type	M-F	DC Pass	36	4	300
FPLNFNFX-60	Type N F/F (Surge/Protected Sides), RF Coaxial Surge Protector, 40MHz - 400MHz, DC Pass, 60V Max, 100W Max, 2.55mJ, 20kA, Bulkhead & L Bracket, Hole Mount	40-400 MHz	N-Type	F-F	DC Pass	60	4	100
FPLNFNMX-60	Type N F/M (Surge/Protected Sides), RF Coaxial Surge Protector, 40MHz - 400MHz, DC Pass, 60V Max, 100W Max, 2.55mJ, 20kA, Bulkhead & L Bracket, Hole Mount	40-400 MHz	N-Type	F-M	DC Pass	60	4	100
FPLNFNFAQ15	Type N F/F (Surge/Protected Sides), Coaxial RF Surge Protector, 700MHz to 1000MHz, Telemetry (2.176 MHz), 300W, DC Pass, 15V, IP67, 25kA, 100uJ, Hybrid Bulkhead/Flange Mount	700-1000 MHz	N-Type	F-F	DC Pass	15	4	300
FPLNFNFAQ15-HP	Type N F/F (Surge/Protected Sides), Coaxial RF Surge Protector, 700MHz to 1000MHz, Telemetry (2.176 MHz), 750W, DC Pass, 15V, IP67, 20kA, 500uJ, Hybrid Bulkhead/Flange Mount	700-1000 MHz	N-Type	F-F	DC Pass	15	4	750
FPLNFNMAQ15	Type N F/M (Surge/Protected Sides), Coaxial RF Surge Protector, 700MHz to 1000MHz, Telemetry (2.176 MHz), 300W, DC Pass, 15V, IP67, 25kA, 100uJ, Hybrid Bulkhead/Flange Mount	700-1000 MHz	N-Type	F-M	DC Pass	15	4	300
FPLNFNMAQ15-HP	Type N F/M (Surge/Protected Sides), Coaxial RF Surge Protector, 700MHz to 1000MHz, Telemetry (2.176 MHz), 750W, DC Pass, 15V, IP67, 20kA, 500uJ, Hybrid Bulkhead/Flange Mount	700-1000 MHz	N-Type	F-M	DC Pass	15	4	750

NexTek PN	Description	Frequency Band (MHz)	Connector Type	Connector Sense (Surge Side-Protected Side)	Surge Protection Technology	DC Voltage (Volts)	Through Current Max. (Amps)	wRF Power Max. (Watts)
FPLNMNFAQ15	Type N M/F (Surge/Protected Sides), Coaxial RF Surge Protector, 700MHz to 1000MHz, Telemetry (2.176 MHz), 300W, DC Pass, 15V, IP67, 25kA, 100μJ, Hybrid Bulkhead/ Flange Mount	700-1000 MHz	N-Type	M-F	DC Pass	15	4	300
FPLNMNFAQ15-HP	Type N M/F (Surge/Protected Sides), Coaxial RF Surge Protector, 700MHz to 1000MHz, Telemetry (2.176 MHz), 750W, DC Pass, 15V, IP67, 20kA, 500μJ, Hybrid Bulkhead/ Flange Mount	700-1000 MHz	N-Type	M-F	DC Pass	15	4	750

FPH Series

The FPH Series reduce electrical energy from high-speed HEMP or Electro-Static Discharge (ESD) or lightning activity.

NexTek has optimized the circuits to provide maximum suppression, while allowing desired operational throughput.

These compact protectors are compliant to MIL-STD 188-125 and MIL-STD 461 pulses.



NexTek PN	Description	Frequency Band (MHz)	Connector Type	Connector Sense (Surge Side-Protected Side)	Surge Protection Technology	DC Voltage (Volts)	Through Current Max. (Amps)	wRF Power Max. (Watts)
FPHNFNFAEO-B	HEMP/LEMP Surge Arrestor, HF Band, 1-40 MHz, N-Type F/F (Surge/Protected Sides), 5W Max.; 0.750" dia. Bulkhead Mount (Hardware Included)	1-40 MHz	N-Type	F-F	HEMP Filter; DC Block	0,8	1,1	5
FPHNFNFAEO-H	HEMP/LEMP Surge Arrestor, HF Band, 1-40 MHz, N-Type F/F (Surge/Protected Sides), 100W Max. 0.630" dia. Bulkhead Mount (Hardware Included)	1-40 MHz	N-Type	F-F	HEMP Filter; DC Block	7	400	100
FPHNFNFAEO-B	HEMP/LEMP Surge Arrestor, HF Band, 1-40 MHz, N-Type F/F (Surge/Protected Sides), 1250W Max.; 0.750" dia. Bulkhead Mount (Hardware Included)	1-40 MHz	N-Type	F-F	HEMP Filter; DC Block	34	2,5	1250
FPHNFNFBEO-B	HEMP/LEMP Surge Arrestor, VHF Band, 30-500 MHz, N-Type F/F (Surge/Protected Sides), 5W Max.; 0.750" dia. Bulkhead Mount (Hardware Included)	30-500 MHz	N-Type	F-F	HEMP Filter; DC Block	0,9	1,6	5
FPHNFNFBFO-B	HEMP/LEMP Surge Arrestor, VHF Band, 30-500 MHz, N-Type F/F (Surge/Protected Sides), 5W Max.; 0.750" dia. Bulkhead Mount (Hardware Included)	30-500 MHz	N-Type	F-F	HEMP Filter; DC Block	1,7	1,6	20
FPHNFNFBQ000-G	HEMP/LEMP Surge Arrestor, VHF Band, 2200-5000 MHz, N-Type F/F, 200W Max.; 0.630" dia. Bulkhead Mount (Hardware Included)	2200-5000 MHz	N-Type	F-F	HEMP Filter; DC Block	0,9	0,01	200

FPD Series

The FPD Series are high-performance lightning protection devices designed to protect Coaxial/RF lines against RTCADO-160G, Section 22 level requirements. Available in various pass bands, DC Pass/DC Block circuit topologies, ratings, and connector types.



NexTek PN	Description	Frequency Band (MHz)	Connector Type	Connector Sense (Surge Side-Protected Side)	Surge Protection Technology	DC Voltage (Volts)	Through Current Max. (Amps)	wRF Power Max. (Watts)
FDPNFNHDP05-B	DO-160 Rated Surge Arrestor, 1000-2000 MHz, 6VDC Pass, N-Type F/F, 5W Max.; 0.750" dia. Bulkhead Mount (Hardware Included)	1000-2000 MHz	N-Type	F-F	DO-160 Filter; DC Pass	6	30	5
FDPDSFSFHE000-E	DO-160 Rated Surge Arrestor, 10MHz, 900-2200 MHz, SMA F/F, 0.5W Max.; 0.630" dia. Bulkhead Mount (Hardware Included)	900-2200 MHz	SMA	F-F	DO-160 Filter; DC Block	1	60	0,5
FDPNFNFO500	DO-160 Rated Surge Arrestor, 5200-18000 MHz, N-Type F/F, 375W Max.; 0.630" dia. Bulkhead Mount (Hardware Included)	5200-18000 MHz	N-Type	F-F	DO-160 Filter; DC Block	5	1,2	375
FPDSFSFHH000-G	DO-160 Rated/LEMP Surge Arrestor, 2400-3200 MHz, SMA F/F, 10W Max.; 0.320" dia. Bulkhead Mount (Hardware Included)	2400-3200 MHz	SMA	F-F	DO-160 Filter; DC Block	1	1	10

DLP Series

The DLP Series are Ethernet and Data Surge and Lightning Suppressors for protecting indoor and outdoor Ethernet devices from damaging electrostatic discharge (ESD) and line surges. DLP products operate in Power-over-Ethernet (PoE) and Data Only applications with connection speeds of up to 1 Gbps and physically interconnect with shielded RJ45 connections.



NexTek PN	Description	Frequency Band (MHz)	Connector Type	Connector Sense (Surge Side-Protected Side)	Surge Protection Technology	DC Voltage (Volts)	Through Current Max. (Amps)	wRF Power Max. (Watts)
DLP-GBE-BTI	Data Line Protector, Gigabit Ethernet Surge Arrestor, 802.3at, Data & POE, 5kA Max; <100V Peak L-L and <50V L-G Let Thru; Indoor Mount	N/A	RJ-45, Shielded	Jack-Jack	GDTs-TBUS-Diodes	+/- 48V Nominal; +/- 60VDC Max	600mA	N/A
DLP-GBE-BTI-D	Data Line Protector, Gigabit Ethernet Surge Arrestor, 802.3ab, Data Only, 5kA Max; <30V Peak L-L and <15V L-G Let Thru; Indoor Mount	N/A	RJ-45, Shielded	Jack-Jack	GDTs-TBUS-Diodes	N/A	N/A	N/A
DLP-GBE-BTI-DE	Data Line Protector, Gigabit Ethernet Surge Arrestor, 802.3ab, Data Only, 5kA Max; <30V Peak L-L and <15V L-G Let Thru; Indoor Mount; Extended Ground Bracket	N/A	RJ-45, Shielded	Jack-Jack	GDTs-TBUS-Diodes	N/A	N/A	N/A
DLP-GBE-BTI-E	Data Line Protector, Gigabit Ethernet Surge Arrestor, 802.3at, Data & POE, 5kA Max; <100V Peak L-L and <50V L-G Let Thru; Indoor Mount; Extended Ground Bracket	N/A	RJ-45, Shielded	Jack-Jack	GDTs-TBUS-Diodes	+/- 48V Nominal; +/- 60VDC Max	600mA	N/A
DLP-GBE-BTI-EP	Data Line Protector, Gigabit Ethernet Surge Arrestor, 802.3at, Data & POE (48-60V DC Injector), 5kA Max; <30V Peak L-L and <15V L-G Data; <100V Peak L-L and <50V L-G DC Let Thru; Indoor Mount; Extended Ground Bracket	N/A	RJ-45, Shielded	Jack-Jack	GDTs-TBUS-Diodes	+/- 48V Nominal; +/- 60VDC Max	600mA	N/A
DLP-GBE-BUW	Data Line Protector, Gigabit Ethernet Surge Arrestor, 802.3at, Data & POE, 5kA Max; <100V Peak L-L and <50V L-G Let Thru; IP67; Outdoor Mount; Optional Pole Mount Bracket, MK-0001, Available	N/A	RJ-45, Shielded	Jack-Jack	GDTs-TBUS-Diodes	+/- 48V Nominal; +/- 60VDC Max	600mA	N/A

DLP Series Accessories

Single Point Ground Kits

NexTek PN	Description
CUSPGN	12" x 18" x 3.4" Copper Single Point Grounding System and Copper Grounding Hardware Kit
CUSPGN-CU	6.5" x 18" x 3.4" Copper Single Point Grounding System and 20' 6 AWG Copper Wire Grounding Hardware Kit



L-Bracket Grounding Kits

NexTek PN	Description
750-0132-02	L-Bracket Kit for 7/16 DIN (1.150" Dia.) Bulkhead Mount
750-0009-00	Universal L-Bracket for 0.38" Dia. and 0.45" Dia. Bulkhead Mounts
750-0632-00	L-Bracket Kit L-Bracket for 0.75 Dia. (FPL/FPH/FPD) Bulkhead Mount
750-0088-05	L-Bracket Kit L-Bracket for 0.63 Dia. (N-Type F) Bulkhead Mount
MNTKIT-47DD	Universal L-Bracket for 4.3-10 (0.83" Dia.) and 7/16 DIN (1.18" Dia) Bulkhead Mount & Hardware
MNTKIT-NTDD	Universal L-Bracket for N-Type (0.63" Dia.) and TNC (.45" Dia) Bulkhead Mount & Hardware



Cable Grounding Kits

NexTek PN	Description
KIT0010	Cable Grounding Kit - 3/4" (0.75") dia. Ring Lug, 3' Ground Wire (6 AWG) & 2 Hole Compression Lug Grounding Kit (for FPL/FPH/FPD 0.75" dia Bulkhead)
KIT0020	Cable Grounding Kit - 5/8" (0.63") dia. Ring Lug, 3' Ground Wire (6 AWG) & 2 Hole Compression Lug Grounding Kit (for N-Type Female 0.63" dia Bulkhead)
KIT0030	Cable Grounding Kit - 1.18" dia. Ring Lug, 3' Ground Wire (6 AWG) & 2 Hole Compression Lug Grounding Kit (for 7/16 DIN Female 1.18" dia Bulkhead)
KIT0040	Cable Grounding Kit - 0.83" dia. Ring Lug, 3' Ground Wire (6 AWG) & 2 Hole Compression Lug Grounding Kit (for 4.3-10 Female 0.83" dia Bulkhead)
KIT0050	Cable Grounding Kit - 0.45" dia. Ring Lug, 3' Ground Wire (8 AWG) & 2 Hole Compression Lug Grounding Kit (for TNC Female 0.45" dia Bulkhead)





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