





# RF Surge Protection

PolyPhaser's superior RF patented designs and platforms include board-level protection, DC Pass, DC Block, Bias-T and Ultra-Low PIM.

Product Number	Short Description	Protected Side Connector	Surge Side Connector	Frequency
<b>AL-LSXM</b> 	High Pass Filter Protector	N Female	N Female	2.0 GHz to 6.0GHz
<b>AL-LSXM-MA</b> 	High Pass Filter Protector	N Female	N Male	2.0 GHz to 6.0GHz
<b>AL-LSXM-ME</b> 	High Pass Filter Protector	N Male	N Female	2.0 GHz to 6.0GHz
<b>AL-LSXM-RT-ME</b> 	High Pass Filter Protector	RTNC Male	RTNC Male	2.0 GHz to 6.0GHz

Product Number	Short Description	Protected Side Connector	Surge Side Connector	Frequency
<b>DSXL-NS</b> 	High Pass Filter Protector	SMA Female	N Female	700 MHz to 2.7 GHz
<b>DSXL-T-MA</b> 	High Pass Filter Protector	TNC Female	TNC Male	700 MHz to 2.5 GHz
<b>IS-50NX-C0</b> 	dc Blocked Protector	N female	N female	1.5 MHz to 700 MHz
<b>IS-50NX-C0-MA</b> 	dc Blocked Protector	N Female	N Male	1.5 MHz to 700 MHz
<b>IS-50NX-C0-ME</b> 	DC Blocked Protector	N Male	N Female	1.5 MHz to 700 MHz

Product Number	Short Description	Protected Side Connector	Surge Side Connector	Frequency
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### IS-50NX-C2



DC Blocked Protector

N Female

N Female

125 MHz to 1.0 GHz

### IS-50NX-C2-MA



dc Blocked Protector

N Female

N Male

125 MHz to 1.0 GHz

### IS-50NX-C2-ME



dc Blocked Protector

N Male

N Female

125 MHz to 1.0 GHz

### IS-50UX-C0



dc Blocked Protector

UHF Female

UHF Female

1.5 MHz to 700 MHz

### IS-50UX-C1-MA

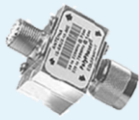

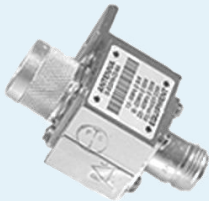

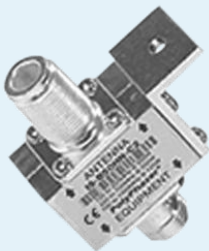



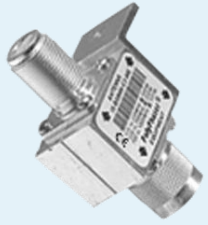


dc Blocked Protector


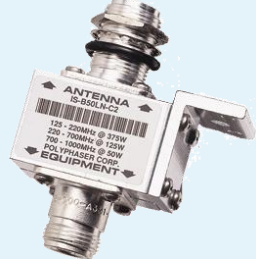
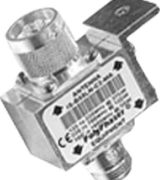
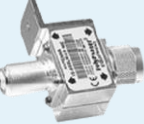

UHF Female

UHF Male

50 MHz to 700 MHz

Product Number	Short Description	Protected Side Connector	Surge Side Connector	Frequency
<b>IS-50UX-C1-ME</b> 	dc Blocked Protector	UHF Male	UHF Female	50 MHz to 700 MHz
<b>IS-B50HN-C0</b> 	dc Blocked Protector High Power	N Female	N Female	1.5 MHz to 700 MHz
<b>IS-B50HN-C0-MA</b> 	dc Blocked Protector High Power	N Female	N Male	1.5 MHz to 700 MHz
<b>IS-B50HN-C1-ME</b> 	dc Blocked Protector High Power	N Male	N Female	50 MHz to 700 MHz
<b>IS-B50HN-C2</b> 	DC Block Protector High Power	N Female	N Female	125 MHz to 1.0 GHz

Product Number	Short Description	Protected Side Connector	Surge Side Connector	Frequency	
IS-B50HN-C2-MA		dc Blocked Protector High Power	N Female	N Male	125 MHz to 1.0 GHz
IS-B50HN-C2-ME		dc Blocked Protector High Power	N Male	N Female	125 MHz to 1.0 GHz
IS-B50LN-C0		dc Blocked Protector	N Female	N Female	1.5 MHz to 700 MHz
IS-B50LN-C0-MA		dc Blocked Protector	N Female	N Male	1.5 MHz to 700 MHz

Product Number	Short Description	Protected Side Connector	Surge Side Connector	Frequency
IS-B50LN-C0-ME	 dc Blocked Protector	N Male	N Female	1.5 MHz to 700 MHz
IS-B50LN-C2	 dc Blocked Protector	N Female	N Female	10 – 1000MHz
IS-B50LN-C2-MA	 dc Blocked Protector	N Female	N Male	125 MHz to 1.0 GHz
IS-B50LN-C2-ME	 dc Blocked Protector	N Male	N Female	125 MHz to 1.0 GHz
IS-B50LU-C0	 DC Block 1.5 MHz to 700 MHz Protector	UHF Female	UHF Female	1.5 MHz to 700 MHz

Product Number	Short Description	Protected Side Connector	Surge Side Connector	Frequency
<b>IS-B50LU-C0-MA</b> 	dc Blocked Protector	UHF Female	UHF Male	1.5 MHz to 700 MHz
<b>IS-NEMP-C0</b> 	dc Blocked Protector	N Female	N Female	1.5 MHz to 700 MHz
<b>IS-NEMP-C0-MA</b> 	Coaxial Nuclear EMP Protector	N Female	N Male	1.5 MHz to 700 MHz
<b>IS-NEMP-C1-ME</b> 	Coaxial Nuclear EMP Protector	N Male	N Female	50 MHz to 700 MHz
<b>IS-NEMP-C2</b> 	Coaxial Nuclear EMP Protector	N Female	N Female	125 MHz to 1.0 GHz

Product Number	Short Description	Protected Side Connector	Surge Side Connector	Frequency
IS-NEMP-C2-MA	Coaxial Nuclear EMP Protector	N Female	N Male	125 MHz to 1.0 GHz
IS-NEMP-C2-ME	Coaxial Nuclear EMP Protector	N Male	N Female	125 MHz to 1.0 GHz
LSXL	High Pass Filter Protector	N Female	N Female	1.8 GHz to 3.8 GHz
LSXL-ME	High Pass Filter Protector	N Male	N Female	1.8 GHz to 3.8 GHz and 4.2 GHz to 6.0 GHz
LSXM-NS	High Pass Filter Protector	SMA Female	N Female	2.0 GHz to 6.0 GHz



Product Number	Short Description	Protected Side Connector	Surge Side Connector	Frequency
<b>RRF-160-NFF</b> 	DC Block 160MHz Band Pass Filter for Railways	N Female	N Female	160 MHz - 163 MHz
<b>RRF-160-NFM-L</b> 	DC Block 160 MHz Rail Band Pass Filter	N Male	N Female	160 MHz - 163 MHz
<b>RRF-220-NFF</b> 	220MHz Band Pass Filter for Railway applications	N Female	N Female	217MHz - 223MHz
<b>RRF-220-NFM-L</b> 	220MHz Band Pass Filter	N Male	N Female	217MHz - 223MHz

Product Number	Short Description	Protected Side Connector	Surge Side Connector	Frequency
<b>RRF-450-NFM-L</b> 	450MHz Band Pass Filter	N Male	N Female	450 MHz - 460 MHz
<b>SXBLOCK-DFM-A</b> 	dc Block RF Surge Protector	DIN Male	DIN Female	800 MHz to 2.3 GHz
<b>TSX-DFF</b> 	Bi-Directional High Pass Filter PIM	Bi-Directional D	Bi-Directional D	698 MHz to 2.7 GHz
<b>TSX-DFF-BF</b> 	Bi-Directional High Pass Filter PIM	Bi-Directional D	Bi-Directional D	698 MHz to 2.7 GHz
<b>TSX-DFM</b> 	Bi-Directional High Pass Filter PIM	Bi-Directional D	Bi-Directional D	698 MHz to 2.7 GHz
<b>TSX-DFM-BF</b>	Bi-Directional	Bi-	Bi-	698 MHz to

Product Number	Short Description	Protected Side Connector	Surge Side Connector	Frequency
	High Pass Filter PIM	Directional D	Directional D	2.7 GHz
<b>TSX-DFM-KIT</b> 	Bi-Directional High Pass Filter PIM	Bi-Directional D	Bi-Directional D	698 MHz to 2.7 GHz
<b>TSX-DFM-SP</b> 	Bi-Directional High Pass Filter PIM	Bi-Directional D	Bi-Directional D	698 MHz to 2.7 GHz
<b>TSX-NFF</b> 	Bi-Directional High Pass Filter	Bi-Directional N	Bi-Directional N	698 MHz to 2.7 GHz
<b>TSX-NFF-P</b> 	Bi-Directional High Pass Filter PIM	Bi-Directional N	Bi-Directional N	698 MHz to 2.7 GHz

Product Number	Short Description	Protected Side Connector	Surge Side Connector	Frequency
<b>TSX-NFM</b> 	Bi-Directional High Pass Filter	Bi-Directional N	Bi-Directional N	698 MHz to 2.7 GHz
<b>TSX-NFM-BF</b> 	Bi-Directional High Pass Filter	Bi-Directional N	Bi-Directional N	698 MHz to 2.7 GHz
<b>TSX-NFM-P</b> 	Bi-Directional High Pass Filter PIM	Bi-Directional N	Bi-Directional N	698 MHz to 2.7 GHz
<b>TUSX-DFP</b> 	Bi-Directional High Pass Filter PIM	Bi-Directional D	Bi-Directional D	300 MHz to 1.2 GHz
<b>TUSX-DFM</b> 	Bi-Directional High Pass Filter PIM	Bi-Directional D	Bi-Directional D	300 MHz to 1.2 GHz

Product Number	Short Description	Protected Side Connector	Surge Side Connector	Frequency
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### TUSX-NFF



Bi-Directional High Pass Filter Protector

Bi-Directional D

Bi-Directional D

300 MHz to 1.2 GHz

### TUSX-NFM



Bi-Directional High Pass Filter Protector

Bi-Directional D

Bi-Directional D

300 MHz to 1.2 GHz

### US-NEMP-C2

Coaxial Nuclear EMP Protector

N Female

N Female

125 MHz to 1.0 GHz

### VHF50D-MA-PGR



VHF High Power Combiner Protector

DIN Female

DIN Male

100 MHz to 512 MHz

### VHF50D-PGR



VHF High Power Combiner Protector

DIN Female

DIN Female

100 MHz to 512 MHz

Product Number	Short Description	Protected Side Connector	Surge Side Connector	Frequency
<b>VHF50HD</b> 	VHF High Power Combiner Protector	DIN Female	DIN Female	100 MHz to 512 MHz
<b>VHF50HD-MA</b> 	VHF High Power Combiner Protector	DIN Female	DIN Male	100 MHz to 512 MHz
<b>VHF50HN</b> 	VHF High Power Combiner Protector	N Female	N Female	100 MHz to 512 MHz
<b>VHF50HN-B</b> 	VHF High Power Combiner Protector	N Female	N Female	100 MHz to 512 MHz
<b>VHF50HN-MA</b> 	VHF High Power Combiner Protector	N Female	N Male	100 MHz to 512 MHz

Product Number	Short Description	Protected Side Connector	Surge Side Connector	Frequency
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### VHF50HN-ME



VHF High Power Combiner Protector

N Male

N Female

100 MHz to 512 MHz

### VUF50NHP-MA



DC Block High Power AM/FM Surge Protector

N Female

N Male

500 KHz to 1.0 GHz

### WSXM



High Pass Filter Protector

N Female

N Female

6.0 GHz to 10.0 GHz