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Product Catalogue



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01 EMI/EMC Products

Electromagnetic interference (EMI) is a critical Challenge in modern electronic design, where high frequency signals and compact layouts increase susceptibility to noise. EMI Filters and chokes are indispensable components engineered to mitigate the unwanted interference, ensuring the optimal performance and compliance of electronic systems. Our advanced solutions cater to stringent industry demands, providing high attenuation, robust reliability and seamless integration for a wide range of application.

Application

Industries	 Office Automation Printers Fax machines Monitors	 Drives & Controls AC & DC Motor Drives Servo Drives Rectifiers Inverters Converters	 Machinery & Robotics Machinery, Robotics, Chemical & Mining industry Conveyers, Laser cutting, Wood working machines, Plotters	 Consumer Goods Induction heaters, Coffee machines, Refrigeration and air conditioning, Amplifiers, Video, TV, Screens, Cooking equipment, Laundry machines, Tumbler machines	 Power & Energy Management SMPS, UPS, PV systems, DC/ DC converters, Gen-sets, Wind turbines, Fuel cells, Gas turbines, Battery charging	 Medical MRI,EEG, ECG,CAT Scanners, Measurement devices, Test equipment
SINGLE PHASE FILTERS						
MF300	✓		✓	✓	✓	
MF310	✓		✓	✓	✓	
MF320	✓		✓	✓	✓	
MF140						✓
MF150						✓
MF160						✓
MF310S	✓		✓	✓	✓	
MF320-2D	✓		✓	✓	✓	
MF420	✓	✓	✓	✓	✓	
MF420-VF	✓	✓	✓	✓	✓	
MF420-HP	✓	✓	✓	✓	✓	
MF120	✓					✓
SMF2131	✓	✓	✓	✓	✓	
SMF2132	✓	✓	✓	✓	✓	
MF210-P	✓		✓	✓		
MF530	✓		✓	✓		
MF410	✓	✓	✓	✓	✓	
MF430	✓	✓	✓	✓	✓	
MF110						✓
MF130						✓
SMF2232	✓	✓	✓	✓	✓	
SMF2233	✓	✓	✓	✓	✓	
DMC	✓	✓	✓	✓	✓	
CMC	✓	✓	✓	✓	✓	
MF422	✓	✓		✓	✓	









Single Phase EMI Filters

Model	Voltage Ratings	Current Ratings (A)								Standard	High	Very High	Single Stage Circuit	Dual Stage Circuit
		1	20	40	60	80	100	120	140	Performance	Stage			
MF300	250VAC/250VDC	1	16							✓			✓	
MF310	250VAC/250VDC		1-10							✓			✓	
MF310S	250VAC/250VDC		1-10							✓			✓	
MF320	250VAC/250VDC		1-10							✓			✓	
MF320-2D	250VAC/250VDC		1-10								✓			✓
MF140	250VAC/250VDC	1	16							✓			✓	
MF150	250VAC/250VDC		1-10							✓			✓	
MF160	250VAC/250VDC		1-10							✓			✓	
MF420	250VAC/250VDC	1						125		✓			✓	
SMF2131	250VAC/250VDC	1			60					✓			✓	
MF420VF	250VAC/250VDC	1		40							✓		✓	
MF410	250VAC/250VDC	1					100				✓			✓
SMF2132	250VAC/250VDC	1	30								✓		✓	
SMF2232	250VAC/250VDC	1	36								✓			✓
MF420HP	250VAC/250VDC	1		50								✓	✓	
SMF2233	250VAC/250VDC	1	30									✓		✓
MF430	250VAC/250VDC	1			60						✓			✓
MF120	250VAC/250VDC	1						125		✓				✓
MF110	250VAC/250VDC	1					100				✓			✓
MF130	250VAC/250VDC	1			60						✓			✓
MF210-P	250VAC/250VDC	3	16							✓			✓	
MF530	250VAC/250VDC		1-10							✓			✓	



Application

Industries						
	Office Automation Printers Fax machines Monitors	Drives & Controls AC & DC Motor Drives Servo Drives Rectifiers Inverters Converters	Machinery & Robotics Machinery, Robotics, Chemical & Mining industry Conveyers, Laser cutting, Wood working machines, Plotters	Consumer Goods Induction heaters, Coffee machines, Refrigeration and air conditioning, Amplifiers, Video, TV, Screens, Cooking equipment, Laundry machines, Tumbler machines	Power & Energy Management SMPS, UPS, PV systems, DC/ DC converters, Gen-sets, Wind turbines, Fuel cells, Gas turbines, Battery charging	Medical MRI,EEG, ECG,CAT Scanners, Measurement devices, Test equipment
THREE PHASE FILTERS						
MF423-3W			✓		✓	
MF423-4W			✓		✓	
MF423-3-2D		✓	✓		✓	
MF423-3-2D-BS		✓	✓	✓	✓	
MF423-3-2D-HV		✓	✓		✓	
MF423-3-2D-BS-HV		✓	✓		✓	
TMF3221/TMF3222		✓	✓		✓	
MF423-4-2D		✓	✓		✓	
MF423-4-2D-BS		✓	✓	✓	✓	
MF423-3-3D		✓	✓		✓	
MF423-3-3D-BS		✓	✓	✓	✓	
MF423-3-3D-BB		✓	✓		✓	
MF423-3-3D-HV		✓	✓		✓	
MF423-3-3D-BS-HV		✓	✓		✓	
TMF3132/TMF3332		✓	✓		✓	
TMF3333		✓	✓		✓	
MF423-4-3D		✓	✓		✓	
MF423-4-3D-BS		✓	✓	✓	✓	
MF423-4-3DD		✓	✓		✓	
MF423-4-3DD-BS		✓	✓	✓	✓	
TMF4222		✓	✓	✓	✓	
TMF4233		✓	✓		✓	
DC FILTERS						
MF610			✓		✓	
MF620			✓		✓	



Three Phase Three Wire EMI Filters

Model	Voltage Ratings	Current Ratings (A)							Standard	High	Very High	Single Stage Circuit	Dual Stage Circuit	Three Stage Circuit
		1	250	500	1000	1500	2000	2500	Performance	Stage				
MF423-3W	440VAC/520VAC	1	150						✓			✓		
MF423-3-2D	440VAC/520VAC	3	250							✓			✓	
TMF3132/3332	520VAC	10			1000					✓		✓		✓
MF423-3-2D-HV	760VAC/750VAC	6			1000						✓		✓	
MF423-3-3D	440VAC/520VAC	6	250								✓			✓
TMF3333	520VAC	150					2500				✓			✓
MF423-3-3D-BB	440VAC/520VAC			300	1000						✓			✓
MF423-3-3D-HV	760VAC/750VAC	6			1000						✓			✓
TMF3333HV	760VAC	150					2500				✓			✓
MF423-3-2D-BS	440VAC/520VAC			7-150						✓			✓	
TMF3221/TMF3222	520VAC	10	230							✓			✓	
MF423-3-2D-BS-HV	760VAC/750VAC	7	180							✓			✓	
TMF3221/TMF3222HV	760VAC	10	230							✓			✓	
MF423-3-3D-BS	440VAC/520VAC			7-150							✓			✓
MF423-3-3D-BS-HV	760VAC/750VAC	7	180								✓			✓

Three Phase with Neutral EMI Filters

Model	Voltage Ratings	Current Ratings (A)							Standard	High	Very High	Single Stage Circuit	Dual Stage Circuit	Three Stage Circuit
		1	250	500	1000	1500	2000	2500	Performance	Stage				
MF423-4W	440VAC/520VAC	1	150						✓			✓		
MF423-4-2D	440VAC/520VAC	6	250							✓			✓	
MF423-4-3DD	440VAC/520VAC	6	100								✓			✓
MF423-4-3D	440VAC/520VAC	6	250								✓			✓
TMF4222	520VAC	8	250							✓			✓	
TMF4233	520VAC	6			600						✓		✓	
MF423-4-2D-BS	440VAC/520VAC	7	250							✓			✓	
MF423-4-3D-BS	440VAC/520VAC	7	250								✓			✓
MF423-4-3DD-BS	440VAC	7	250								✓			✓

DC Filters

Model	Voltage Ratings	Current Ratings (A)						Standard	High	Very High	Single Stage Circuit	Dual Stage Circuit	Three Stage Circuit
		25	150	250	600	1000	2500	Performance	Stage				
MF610	1200VDC	25					2500			✓	✓		
MF620	500VDC/1000VDC/1500VDC		150				1600			✓		✓	



EMI Filters / Single Phase Filter / IEC Inlet



MF300

Operating Voltage
250VAC

Current Rating
1A to 16A

Operating Frequency
50/60Hz

Mounting
Panel Mount

Performance Indicator

Standard	High	Very High
<div style="width: 100%; height: 5px; background-color: green;"></div>		



MF310

Operating Voltage
250VAC

Current Rating
1A to 10A

Operating Frequency
50/60Hz

Mounting
Panel Mount

Performance Indicator

Standard	High	Very High
<div style="width: 100%; height: 5px; background-color: green;"></div>		



MF320

Operating Voltage
250VAC

Current Rating
1A to 10A

Operating Frequency
50/60Hz

Mounting
Panel Mount

Performance Indicator

Standard	High	Very High
<div style="width: 100%; height: 5px; background-color: green;"></div>		



MF140 (Medical)

Operating Voltage
250VAC

Current Rating
1A to 16A

Operating Frequency
50/60Hz

Mounting
Panel Mount

Performance Indicator

Standard	High	Very High
<div style="width: 100%; height: 5px; background-color: green;"></div>		



Note: Refer Datasheet for partwise approval status



MF150 (Medical)



Operating Voltage
250VAC

Current Rating
1A to 10A

Operating Frequency
50/60Hz

Mounting
Panel Mount

Performance Indicator

Standard	High	Very High
█		



MF160 (Medical)



Operating Voltage
250VAC

Current Rating
1A to 10A

Operating Frequency
50/60Hz

Mounting
Panel Mount

Performance Indicator

Standard	High	Very High
█		



MF310S



Operating Voltage
250VAC

Current Rating
1A to 10A

Operating Frequency
50/60Hz

Mounting
Panel Mount

Performance Indicator

Standard	High	Very High
█		



MF320-2D



Operating Voltage
250VAC

Current Rating
1A to 10A

Operating Frequency
50/60Hz

Mounting
Panel Mount

Performance Indicator

Standard	High	Very High
█		



Note: Refer Datasheet for partwise approval status

EMI Filters / Single Phase Filter / Single Stage

MF420



Operating Voltage
250VAC

Current Rating
1A to 125A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
██████████		



MF420-VF



Operating Voltage
250VAC

Current Rating
1A to 40A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
████████████████████		



MF420-HP



Operating Voltage
250VAC

Current Rating
1A to 50A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
	████████████████████	



MF120 (Medical)



Operating Voltage
250VAC

Current Rating
1A to 125A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
██████████		



SMF2131



Operating Voltage
250VAC

Current Rating
1A to 60A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
██████████		



Note: Refer Datasheet for partwise approval status

EMI Filters / Single Phase Filter / Single Stage

SMF2132



Operating Voltage 250VAC **Current Rating** 1A to 30A **Operating Frequency** 50/60Hz **Mounting** Chassis Mount

Performance Indicator

Standard	High	Very High
████████████████████		



MF210-P



Operating Voltage 250VAC **Current Rating** 3A to 16A **Operating Frequency** 50/60Hz **Mounting** Stud Mount

Performance Indicator

Standard	High	Very High
██████████		



PCB Filters – MF530



Operating Voltage 250VAC **Current Rating** 1A to 10A **Operating Frequency** 50/60Hz **Mounting** PCB Mount

Performance Indicator

Standard	High	Very High
██████████		



EMI Filters / Single Phase Filter / Dual Stage

MF410



Operating Voltage 250VAC **Current Rating** 1A to 100A **Operating Frequency** 50/60Hz **Mounting** Chassis Mount

Performance Indicator

Standard	High	Very High
████████████████████		



Note: Refer Datasheet for partwise approval status

EMI Filters / Single Phase Filter / Dual Stage



MF430

Operating Voltage
250VAC

Current Rating
1A to 60A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
█	█	



MF110 (Medical)

Operating Voltage
250VAC

Current Rating
1A to 100A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
█	█	



MF130 (Medical)

Operating Voltage
250VAC

Current Rating
1A to 60A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
█	█	



SMF2232

Operating Voltage
250VAC

Current Rating
1A to 36A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
	█	



Note: Refer Datasheet for partwise approval status



EMI Filters / Single Phase Filter / Dual Stage

SMF2233



Operating Voltage
250VAC

Current Rating
1A to 30A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
█		



EMI Filters / Chokes

Differential Mode Choke Coil (DMC)



Operating Voltage
250VAC

Current Rating
0.5A to 25A

Operating Frequency
50/60Hz

Mounting
PCB Mount

Performance Indicator

Standard	High	Very High
█		



Common Mode Choke Coil (CMC)



Operating Voltage
250VAC

Current Rating
0.5A to 32A

Operating Frequency
50/60Hz

Mounting
PCB Mount

Performance Indicator

Standard	High	Very High
█		



EMI Filters / Two Phase Filter

MF 422



Operating Voltage
440VAC

Current Rating
1A to 100A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
█		



Note: Refer Datasheet for partwise approval status

EMI Filters / Three Phase Filter / Single Stage



MF423-3W

Operating Voltage
440/520VAC

Current Rating
1A to 150A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
██████████		



MF423-4W

Operating Voltage
440/520VAC

Current Rating
1A to 150A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
██████████		



EMI Filters / Three Phase Filter / Multi Stage



MF423-3-2D

Operating Voltage
440/520VAC

Current Rating
3A to 250A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
██████████	██████████	



MF423-3-2D-BS

Operating Voltage
440/520VAC

Current Rating
7A to 150A

Operating Frequency
50/60Hz

Mounting
Book Shelf type -
Chassis Mount

Performance Indicator

Standard	High	Very High
██████████	██████████	



MF423-3-2D-HV

Operating Voltage
760/750VAC

Current Rating
6A to 1000A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
██████████		



Note: Refer Datasheet for partwise approval status



EMI Filters / Three Phase Filter / Multi Stage

MF423-3-2D-BS-HV



Operating Voltage
760/750VAC

Current Rating
7A to 180A

Operating Frequency
50/60Hz

Mounting
Book Shelf type -
Chassis Mount

Performance Indicator

Standard	High	Very High
█	█	



TMF3221 / TMF3222



Operating Voltage
520/760/750VAC

Current Rating
10A to 230A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
█	█	



MF423-4-2D



Operating Voltage
440/520VAC

Current Rating
6A to 250A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
█	█	



MF423-4-2D-BS



Operating Voltage
440/520VAC

Current Rating
7A to 150A

Operating Frequency
50/60Hz

Mounting
Book Shelf type -
Chassis Mount

Performance Indicator

Standard	High	Very High
█	█	



Note: Refer Datasheet for partwise approval status



EMI Filters / Three Phase Filter / Multi Stage

MF423-3-3D



Operating Voltage
440/520VAC

Current Rating
6A to 250A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
	████████████████████	



MF423-3-3D-BS



Operating Voltage
440/520VAC

Current Rating
7A to 150A

Operating Frequency
50/60Hz

Mounting
Book Shelf type -
Chassis Mount

Performance Indicator

Standard	High	Very High
	████████████████████	



MF423-3-3D-BB



Operating Voltage
440/520VAC

Current Rating
300A to 1000A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
	████████████████████	



MF423-3-3D-HV



Operating Voltage
760/750VAC

Current Rating
6A to 1000A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
████████████████████		



Note: Refer Datasheet for partwise approval status

EMI Filters / Three Phase Filter / Multi Stage

MF423-3-3D-BS-HV



Operating Voltage
750/760VAC

Current Rating
7A to 180A

Operating Frequency
50/60Hz

Mounting
Book Shelf type -
Chassis Mount

Performance Indicator

Standard	High	Very High



TMF3132 / TMF3332



Operating Voltage
520/750VAC

Current Rating
10A to 1000A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High



TMF3333



Operating Voltage
520/760/750VAC

Current Rating
150A to 2500A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High



MF423-4-3D



Operating Voltage
440/520VAC

Current Rating
6A to 250A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High



Note: Refer Datasheet for partwise approval status



EMI Filters / Three Phase Filter / Multi Stage

MF423-4-3D-BS



Operating Voltage
440/520VAC

Current Rating
7A to 150A

Operating Frequency
50/60Hz

Mounting
Book Shelf type -
Chassis Mount

Performance Indicator

Standard	High	Very High
	████████████████████	



MF423-4-3DD



Operating Voltage
440/520VAC

Current Rating
6A to 100A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
	████████████████████	



MF423-4-3DD-BS



Operating Voltage
440VAC

Current Rating
7A to 150A

Operating Frequency
50/60Hz

Mounting
Book Shelf type -
Chassis Mount

Performance Indicator

Standard	High	Very High
	████████████████████	



TMF4222



Operating Voltage
520VAC

Current Rating
8A to 250A

Operating Frequency
50/60Hz

Mounting
Book Shelf type -
Chassis Mount

Performance Indicator

Standard	High	Very High
	████████████████	









Note: Refer Datasheet for partwise approval status

02 Feedthrough Components

Feedthrough Components Provide high attenuation across broad frequency range, extending up to 1 GHz. they are available in wide selection of capacitance values and are offered with diverse Mounting configurations and Termination options to suit various application Requirement .

Application

Industries	 Office Automation Printers Fax machines Monitors	 Drives & Controls AC & DC Motor Drives Servo Drives Rectifiers Inverters Converters	 Machinery & Robotics Machinery, Robotics, Chemical & Mining industry Conveyers, Laser cutting, Wood working machines, Plotters	 Consumer Goods Induction heaters, Coffee machines, Refrigeration and air conditioning, Amplifiers, Video, TV, Screens, Cooking equipment, Laundry machines, Tumbler machines	 Power & Energy Management SMPS, UPS, PV systems, DC/DC converters, Gen-sets, Wind turbines, Fuel cells, Gas turbines, Battery charging	 Medical MRI, EEG, ECG, CAT Scanners, Measurement devices, Test equipment
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FEEDTHROUGH COMPONENTS

FTCAC	✓	✓	✓		✓	✓
FTFAC	✓	✓	✓		✓	✓

Model	Voltage Ratings	Current Ratings (A)				AC Capacitors	AC Filters	Y2 Capacitor Class
		1	50	100	200			
FTCAC	250VAC	6			200	✓	✓	✓
FTFAC	250VAC	6			200	✓	✓	✓



Feedthrough Components / Feedthrough Capacitor

FTCAC



Operating Voltage
250VAC

Current Rating
6A to 200A @ 60°C

Mounting
Bulk Head Mount



Feedthrough Components / Feedthrough Filter

FTFAC



Operating Voltage
250VAC

Current Rating
6A to 200A @ 60°C

Mounting
Bulk Head Mount




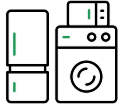




Note: Refer Datasheet for partwise approval status

03 Surge Protectors

Surge protectors are devices designed to protect electronic equipment from voltage spikes or power surges. These surges can occur due to various reasons, such as lightning strikes, power outages, or issues within the power grid. Surge protectors work by diverting excess voltage to the ground, preventing it from reaching and damaging connected devices.

Application

Industries	 Office Automation Printers Fax machines Monitors	 Drives & Controls AC & DC Motor Drives Servo Drives Rectifiers Inverters Converters	 Machinery & Robotics Machinery, Robotics, Chemical & Mining industry Conveyers, Laser cutting, Wood working machines, Plotters	 Consumer Goods Induction heaters, Coffee machines, Refrigeration and air conditioning, Amplifiers, Video, TV, Screens, Cooking equipment, Laundry machines, Tumbler machines	 Power & Energy Management SMPS, UPS, PV systems, DC/DC converters, Gen-sets, Wind turbines, Fuel cells, Gas turbines, Battery charging	 Medical MRI,EEG, ECG,CAT Scanners, Measurement devices, Test equipment
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SINGLE PHASE SURGE PROTECTORS						
SSP2086	✓	✓	✓	✓	✓	✓
SSP2206	✓	✓	✓	✓	✓	✓
SSP2406	✓	✓	✓	✓	✓	✓
TSP3086	✓	✓	✓	✓	✓	✓
TSP3206	✓	✓	✓	✓	✓	✓
TSP3406	✓	✓	✓	✓	✓	✓
TSP4206	✓	✓	✓	✓	✓	✓
TSP4406	✓	✓	✓	✓	✓	✓
SRC2083	✓	✓	✓	✓	✓	✓
TRC3083	✓	✓	✓	✓	✓	✓
TRC4083	✓	✓	✓	✓	✓	✓
DSP406	✓	✓	✓	✓	✓	✓
NSPRJ45	✓	✓	✓	✓	✓	✓

Model	Voltage Ratings	Surge Ratings (KA)				Type 1	Type 2	Type 3
		1	20	40	60			
SSP2086	250VAC	1	8				✓	
SSP2206	250VAC	1	20			✓		
SSP2406	250VAC	1		40		✓		
TSP3086	440VAC	1	20				✓	
TSP3206	440VAC	1		40		✓		
TSP3406	440VAC	1	20			✓		
TSP4206	440VAC	1		40		✓		
TSP4406	440VAC	1	8			✓		
SRC2083	250VAC	1	8				✓	
TRC3083	440VAC	1	8				✓	
TRC4083	440VAC	1	8				✓	
DSP406	600VDC	1		40		✓		
NSPRJ45	8VDC	1	5			✓		



Surge Protectors / Single Phase Surge Protector



SSP2086

SPD Type
Type 3/Class D

Operating Voltage
250VAC

Surge Current Rating
8KA

Mounting
Din Rail Mount



SSP2206

SPD Type
Type 2/Class C

Operating Voltage
250VAC

Surge Current Rating
20KA

Mounting
Din Rail Mount



SSP2406

SPD Type
Type 2/Class C

Operating Voltage
250VAC

Surge Current Rating
40KA

Mounting
Din Rail Mount



Surge Protectors / Three Phase Surge Protector



TSP3086

SPD Type
Type 3/Class D

Operating Voltage
440VAC

Surge Current Rating
8KA

Mounting
Din Rail Mount



TSP3206

SPD Type
Type 2/Class C

Operating Voltage
440VAC

Surge Current Rating
20KA

Mounting
Din Rail Mount



Note: Refer Datasheet for partwise approval status



Surge Protectors / Three Phase Surge Protector



TSP3406

SPD Type
Type 2/Class C

Operating Voltage
440VAC

Surge Current Rating
40KA

Mounting
Din Rail Mount



TSP4206

SPD Type
Type 2/Class C

Operating Voltage
440VAC

Surge Current Rating
20KA

Mounting
Din Rail Mount



TSP4406

SPD Type
Type 2/Class C

Operating Voltage
440VAC

Surge Current Rating
40KA

Mounting
Din Rail Mount



Surge Protectors / Single Phase RC Filter



SRC2083

SPD Type
Type 3/Class D

Operating Voltage
250VAC

Surge Current Rating
8KA

Mounting
Chassis Mount



Note : Refer Datasheet for partwise approval status

Surge Protectors / Three Phase RC Filter



TRC3083

SPD Type
Type 3/Class D

Operating Voltage
440VAC

Surge Current Rating
8KA

Mounting
Chassis Mount



TRC4083

SPD Type
Type 3/Class D

Operating Voltage
440VAC

Surge Current Rating
8KA

Mounting
Chassis Mount



Surge Protectors / DC Surge Protector



DSP406

SPD Type
Type 2/Class C

Operating Voltage
600VDC

Surge Current Rating
40KA

Mounting
Din Rail Mount



Surge Protectors / Network Signal Surge Protector



NSPRJ45

SPD Type
Type 2/Class C

Operating Voltage
8VDC

Surge Current Rating
5KA

Mounting
Hanging Mount









Note: Refer Datasheet for partwise approval status

04 Power Quality Products

Power quality products provide uninterrupted power supply and manage Harmonics, maintaining consistent power quality. Our superior range of Line and Load Reactors and Harmonic filters ensure reliable and efficient quality power for industrial and home needs.

Application

Industries						
	Office Automation Printers Fax machines Monitors	Drives & Controls AC & DC Motor Drives Servo Drives Rectifiers Inverters Converters	Machinery & Robotics Machinery, Robotics, Chemical & Mining industry Conveyers, Laser cutting, Wood working machines, Plotters	Consumer Goods Induction heaters, Coffee machines, Refrigeration and air conditioning, Amplifiers, Video, TV, Screens, Cooking equipment, Laundry machines, Tumbler machines	Power & Energy Management SMPS, UPS, PV systems, DC/DC converters, Gen-sets, Wind turbines, Fuel cells, Gas turbines, Battery charging	Medical MRI,EEG, ECG,CAT Scanners, Measurement devices, Test equipment
POWER QUALITY PRODUCTS						
SPQR-4		✓	✓		✓	
TPQR-4		✓	✓		✓	
PQR-4		✓	✓		✓	
TPQS3113		✓	✓		✓	
TPQR-N8		✓	✓		✓	

Model	Voltage Ratings	Current Ratings (A)					For 50/60 Hz grids	0.8% Impedance	4% Impedance	6% Impedance	Insulation class F	Insulation class N
		1	250	500	1000	1250						
SPQR-4	250VAC	2			1000		✓		✓		✓	
TPQR-4	480VAC	1.76			1010		✓		✓		✓	
PQR-4	480VAC	1.76			1010		✓		✓			✓
TPQS3113	480VAC	2.3			1000		✓			✓	✓	
TPQDR-N8	400VAC	4			1000		✓	✓			✓	



Power Quality / AC Single Line Reactor



SPQR-4

Operating Voltage
250VAC

Current Rating
2A-1000A

Operating Frequency
50/60Hz

Impedance
4% @ 230VAC



Power Quality / Three Phase Line Reactor



TPQR-4

Operating Voltage
480VAC

Current Rating
1.76A-1010A

Operating Frequency
50/60Hz

Impedance
4% @ 400VAC



PQR-4

Operating Voltage
480VAC

Current Rating
1.76A-1010A

Operating Frequency
50/60Hz

Impedance
4% @ 400VAC



Power Quality / Three Phase Sinewave



TPQS3113

Operating Voltage
480VAC

Current Rating
2.3A-1000A

Operating Frequency
50/60Hz



Power Quality / Three Phase dv/dt Reactor



TPQDR-N8

Operating Voltage
400VAC

Current Rating
4A to 1000A

Operating Frequency
50-60Hz

Impedance
0.8% @ 400VAC



Note : Refer Data sheet for partwise approval status



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