Product Catalogue



emisglobal.com

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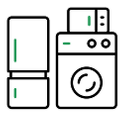
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01 EMI/EMC Products

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 optical 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	✓	✓	✓	✓	✓	
CMC71	✓	✓	✓	✓	✓	
CMC72	✓	✓	✓	✓	✓	
CMC73	✓	✓	✓	✓	✓	
CMC74	✓	✓	✓	✓	✓	
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		✓			✓	
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	✓			✓	
CMC71	300VAC	0.3-10	✓				
CMC72	600VAC/1000VDC	16 50	✓				
CMC73	600VAC/850VDC	6 64	✓				
CMC74	250VAC	0.25-0.7	✓				

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	Perfomance			Stage		
MF610	1200VDC	25 2500			✓	✓		
MF620	500VDC/1000VDC/1500VDC	150 1600			✓		✓	



MF300

Operating Voltage
250VAC

Current Rating
1A to 16A

Operating Frequency
50/60Hz

Mounting
Panel Mount

Performance Indicator

Standard	High	Very High
■		



MF310

Operating Voltage
250VAC

Current Rating
1A to 10A

Operating Frequency
50/60Hz

Mounting
Panel Mount

Performance Indicator

Standard	High	Very High
■		



MF320

Operating Voltage
250VAC

Current Rating
1A to 10A

Operating Frequency
50/60Hz

Mounting
Panel Mount

Performance Indicator

Standard	High	Very High
■		



MF140 (Medical)

Operating Voltage
250VAC

Current Rating
1A to 16A

Operating Frequency
50/60Hz

Mounting
Panel Mount

Performance Indicator

Standard	High	Very High
■		

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

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



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
■		



CMC71

Operating Voltage
300VAC

Current Rating
0.3A to 10A

Operating Frequency
DC to 400 Hz

Mounting
Through-hole pin

Performance Indicator

Standard	High	Very High
■		

Note: Refer Datasheet for partwise approval status

EMI Filters / Chokes



CMC72

Operating Voltage
600VAC/1000VDC

Current Rating
16A to 50A

Operating Frequency
DC to 400Hz

Mounting
Through-hole pin

Performance Indicator

Standard	High	Very High
■		



CMC73

Operating Voltage
600VAC/850VDC

Current Rating
6A to 64A

Operating Frequency
DC to 400Hz

Mounting
Through-hole pin

Performance Indicator

Standard	High	Very High
■		



CMC74

Operating Voltage
250VAC

Current Rating
0.25A to 0.7A

Operating Frequency
DC to 400Hz

Mounting
Through-hole pin

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

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

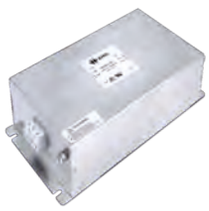
Mounting
Book Shelf type - Chassis Mount

Performance Indicator

Standard	High	Very High
■	■	

Note: Refer Datasheet for partwise approval status

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

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



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

EMI Filters / Three Phase Filter / Multi Stage

TMF4233



Operating Voltage
520VAC

Current Rating
8A to 600A

Operating Frequency
50/60Hz

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
	■	

EMI Filters / DC Filter

MF610



Operating Voltage
Max 1200VDC

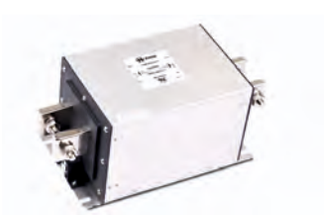
Current Rating
25A to 2500A

Mounting
Chassis Mount

Performance Indicator

Standard	High	Very High
■		

MF620



Operating Voltage
Max 1500VDC

Current Rating
150A to 1600A

Mounting
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
FEEDTHROUGH COMPONENTS						
FTCAC					✓	✓
FTFAC					✓	✓
FTCDC					✓	✓

Model	Voltage Ratings	Current Ratings (A) 1 50 100 200	AC Capacitors	AC Filter	DC Capacitor	DC Filter	Y2 Capacitor Class
FTCAC	250VAC	6 – 200	✓				✓
FTFAC	250VAC	6 – 200		✓			✓
FTCDC	130VDC / 130VAC	6 – 200			✓		✓

Feedthrough Components / Feedthrough Capacitor

FTCAC



Operating Voltage
250VAC

Current Rating
6A to 200A

Mounting
Bulk Head Mount

FTCDC



Operating Voltage
130VDC / 130VAC

Current Rating
6A to 200A

Mounting
Bulk Head Mount

Feedthrough Components / Feedthrough Filter

FTFAC



Operating Voltage
250VAC

Current Rating
6A to 200A

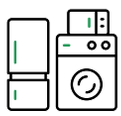
Mounting
Bulk Head Mount

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**	 **Drives & Controls**	 **Machinery & Robotics**	 **Consumer Goods**	 **Power & Energy Management**	 **Medical**
	Printers Fax machines Monitors	AC & DC Motor Drives Servo Drives Rectifiers Inverters Converters	Machinery, Robotics, Chemical & Mining industry Conveyers, Laser cutting, Wood working machines, Plotters	Induction heaters, Coffee machines, Refrigeration and air conditioning, Amplifiers, Video, TV, Screens, Cooking equipment, Laundry machines, Tumbler machines	SMPS, UPS, PV systems, DC/ DC converters, Gen-sets, Wind turbines, Fuel cells, Gas turbines, Battery charging	MRI,EEG, ECG,CAT Scanners, Measurement devices, Test equipment
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	Operating Voltage	Surge Current Rating	Mounting
Type 3/Class D	250VAC	8KA	Din Rail Mount



SSP2206

SPD Type	Operating Voltage	Surge Current Rating	Mounting
Type 2/Class C	250VAC	20KA	Din Rail Mount



SSP2406

SPD Type	Operating Voltage	Surge Current Rating	Mounting
Type 2/Class C	250VAC	40KA	Din Rail Mount

Surge Protectors / Three Phase Surge Protector



TSP3086

SPD Type	Operating Voltage	Surge Current Rating	Mounting
Type 3/Class D	440VAC	8KA	Din Rail Mount



TSP3206

SPD Type	Operating Voltage	Surge Current Rating	Mounting
Type 2/Class C	440VAC	20KA	Din Rail Mount

Note: Refer Datasheet for partwise approval status

Surge Protectors / Three Phase Surge Protector



TSP3406

SPD Type	Operating Voltage	Surge Current Rating	Mounting
Type 2/Class C	440VAC	40KA	Din Rail Mount



TSP4206

SPD Type	Operating Voltage	Surge Current Rating	Mounting
Type 2/Class C	440VAC	20KA	Din Rail Mount



TSP4406

SPD Type	Operating Voltage	Surge Current Rating	Mounting
Type 2/Class C	440VAC	40KA	Din Rail Mount

Surge Protectors / Single Phase RC Filter



SRC2083

SPD Type	Operating Voltage	Surge Current Rating	Mounting
Type 3/Class D	250VAC	8KA	Chassis Mount

Note : Refer Datasheet for partwise approval status

Surge Protectors / Three Phase RC Filter



TRC3083

SPD Type	Operating Voltage	Surge Current Rating	Mounting
Type 3/Class D	440VAC	8KA	Chassis Mount



TRC4083

SPD Type	Operating Voltage	Surge Current Rating	Mounting
Type 3/Class D	440VAC	8KA	Chassis Mount

Surge Protectors / DC Surge Protector



DSP406

SPD Type	Operating Voltage	Surge Current Rating	Mounting
Type 2/Class C	600VDC	40KA	Din Rail Mount

Surge Protectors / Network Signal Surge Protector



NSPRJ45

SPD Type	Operating Voltage	Surge Current Rating	Mounting
Type 2/Class C	8VDC	5KA	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 machine, Tumbler machine	 **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		✓	✓		✓	
TPQH3411		✓	✓		✓	
TPQH31011 / TPQH31311		✓	✓		✓	
TPQH31111 / TPQH31211		✓	✓		✓	
TPQH3311		✓	✓		✓	
TPQDR3914		✓	✓		✓	

Model	Voltage Ratings	Current Ratings (A)	For 50/60 Hz grids	0.8% Impedance	4% Impedance	6% Impedance	Insulation class F	Insulation class N
SPQR-4	250VAC	2 – 1000	✓		✓		✓	
TPQR-4	480VAC	1.76 – 1010	✓		✓		✓	
PQR-4	480VAC	1.76 – 1010	✓		✓			✓
TPQS3113	480VAC	2.3 – 1000	✓			✓	✓	
TPQDR3914	480VAC	4 – 500	✓	✓			✓	

Model	Voltage Ratings	Current Ratings (A)	For 50Hz grids	For 60Hz grids	For 50/60Hz grids	LC Configuration	LCL Configuration	Full performance THDi <5%	With Circuit Breaker	With Jumper
TPQH3411	415VAC	1.63 – 376	✓				✓			
TPQH31011/TPQH31311	415VAC	297 – 766	✓			✓		✓	✓	✓
TPQH31111/TPQH31211	415VAC	300 – 766	✓				✓	✓	✓	✓
TPQH3311	415VAC	1.62 – 376	✓			✓				

Power Quality / AC Single Line Reactor



SPQR-4

Operating Voltage
250VAC

Current Rating
2A to 1000A

Operating Frequency
50/60Hz

Impedance
4% @ 230VAC

Power Quality / Three Phase Line Reactor



TPQR-4

Operating Voltage
480VAC

Current Rating
1.76A to 1010A

Operating Frequency
50/60Hz

Impedance
4% @ 400VAC



PQR-4

Operating Voltage
480VAC

Current Rating
1.76A to 1010A

Operating Frequency
50/60Hz

Impedance
4% @ 400VAC

Power Quality / Three Phase Sinewave



TPQS3113

Operating Voltage
480VAC

Current Rating
2.3A to 1000A

Operating Frequency
50/60Hz

Power Quality / Three Phase dv/dt Reactor



TPQDR3914

Operating Voltage
480VAC

Current Rating
4A to 500A

Operating Frequency
50-60Hz

Impedance
0.8% @ 400VAC

Note : Refer Data sheet for partwise approval status



TPQH3311

Operating Voltage
415VAC

Current Rating
1.62A to 376A

Operating Frequency
50Hz

Protection Category
IP00



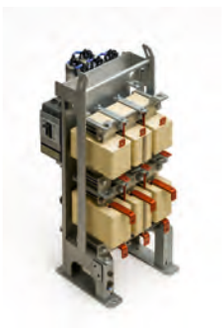
TPQH3411

Operating Voltage
415VAC

Current Rating
1.63A to 376A

Operating Frequency
50Hz

Protection Category
IP00



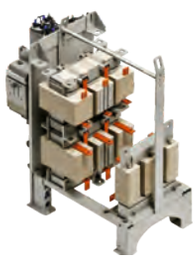
TPQH31011 / TPQH31311

Operating Voltage
415VAC

Current Rating
297A to 766A

Operating Frequency
50Hz

Protection Category
IP00



TPQH31111 / TPQH31211

Operating Voltage
415VAC

Current Rating
300A to 766A

Operating Frequency
50Hz

Protection Category
IP00

Note : Refer Data sheet for partwise approval status

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