

**OEM9 Series – WVR Single Phase Flush Mount**

Models	OEM9-5W-120-DM	OEM9-5W-240E-DM	OEM9-5W-240E-DM -LT
<b>Mfg Part #</b>	002-00511	002-00513	002-00514
<b>Voltage/Hz</b>	120V ac nominal 50-60 Hz	240V ac nominal 50-60 Hz	240V ac nominal 50-60 Hz
<b>Max. Load</b>	5 amps	5amps	5 amps
<b>Chassis (DIN Track)</b>	PVC DIN track mounted board/reactor assembly		
<b>Mounting</b>	Direct mount end plates with 5mm holes		
<b>Ground Connect</b>	None		
<b>Wire Connector &amp; recommended attachment</b>	Four position terminal block (hot leg in, hot leg out, 2 neutral connections). Wires should be stripped 7.0 mm. 240V model is NOT compatible with US 240V.		
<b>Over-current Protection</b>	5x20mm 5amp 250V slow blow fuse		
<b>Weight</b>	10 oz.		
<b>Dimensions</b>	2.25”H x 6.75”W x 3.75”D		
<b>Boxed Dim./Wt.</b>	4”H x 7”W x 4”D/ 1 lb		



**X10** Carrier Current Compatible



Specifications	120 Volt Product	240 volt Product
<b>Voltage Ratings</b>	US 120 Volt, single phase (one hot leg & a neutral leg tied to earth ground at service entrance). Will operate over a voltage range of 85 - 175 volts with Spectrum WVR technology (MCOV=175Vac). Full load regulation 1%.	European 240 Volt, single phase (one hot leg & a neutral leg tied to earth ground at service entrance). Will operate over a wide voltage range of 85 - 280 volts with Spectrum WVR technology (MCOV=280Vac); NOT COMPATIBLE WITH U.S. 240V (with two hot legs.)
	Check line wiring for hot/neutral reversal prior to connecting this filter. Hot/neutral reversal is a critical safety issue and will prevent this product from functioning effectively	
<b>Operating Temperature Range</b>	0-40 deg. C	
<b>Technology</b>	Spectrum WVR® Wide Voltage Range filter technology	
<b>Mode</b>	Mode 1 applications, L-N (ground wire protection)	
<b>Safety Certifications</b>	CSA 22.2 No. 8-M1986, UL 1283 5 <sup>th</sup> edition pending	
<b>Limiters</b>	Series surge reactor current limiter; cascaded, auto-tracking dual polarity dynamic surge and noise sensing; bi-modal dynamic filtering. Parameters optimized for switch-mode power supply protection.	
<b>Dynamic filtering Onset</b>	172 volts nominal, 2 volts above peak line voltage (auto-tracking- WVR).	350 volts nominal, 2 volts above peak line voltage (auto-tracking- WVR).
<b>Max. Surge Voltage Let-through*</b>	130 Volts above peak line voltage @ 6,000 Volts, 3,000 Amps for ANSI C62.41 Category B3/C1 Combination Wave.	350 Volts above peak line voltage @ 6,000 Volts, 3,000 Amps for ANSI C62.41 Category B3/C1 Combination Wave.
<b>Max. Applied Pulse Voltage</b>	6,000 volts (1.2 x 50 $\mu$ s – ANSI C62.41 Combination Wave)	
<b>Max. Applied Pulse Current</b>	>100,000 amperes applied (unlimited due to internal current limiting) (8 x 20 $\mu$ s).	
<b>Joule Rating</b>	Not applicable to this technology. No MOV's to wear out.	
<b>Endurance Rating</b>	1,000 worst case pulses: ANSI C62.41, Category B3/C1 pulses (6,000 Volts, 3,000 Amperes); >10,000 pulses at 4,000 Volts; >100,000 pulses at 2,000 Volts.	
<b>Filter Slew Rate</b>	5,000 volts/ $\mu$ s disturbance reduced to 35 v/ $\mu$ s within AC power wave envelope; 10.0 v/us outside the power wave envelope.	5,000 volts/ $\mu$ s disturbance reduced to 35 v/ $\mu$ s within AC power wave envelope; 20.0 v/us outside the power wave envelope.
<b>EMI-RFI Filter Response</b>	Bi-directional, wave tracking: With 50 ohm Rgen., load: 7 kHz @ 3 dB; 25 dB @100 kHz; 38 dB @300 kHz.	

\* Note: Surge voltage let-through is the peak voltage that exceeds the powerline peak voltage.

**100% Surge Protection, 0% Failure • Are you Zero Surge protected?**

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