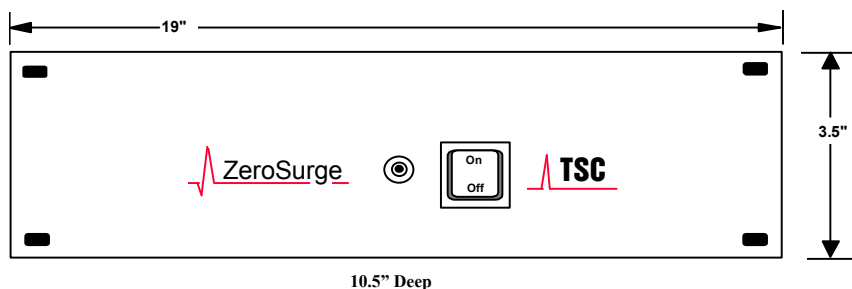


1R-2U-20T-240U Series – TSC 240V ac Single Phase

Models	1R-2U-20T-240U
Mfg Part #	006-00343
Voltage/Hz	240V ac nominal 50-60 Hz
Max. Load	20 amps
Line Cord	20 Amp: 11' grounded 4-wire, #10 black SJT; L14-20P plug. *
Receptacles	one L14-20R outlet on back;
Enclosure	Magnetic shielding steel, black powder coat finish
Weight	16 lbs
Dimensions	3.5"H x 19"W x 10.5"D
Boxed Dim./Wt.	6"H x 22.25"W x 13.0"D, 17 lbs

*** WARNING: not compatible with standard receptacles, requires NEMA L14-20R receptacle.**



X10 Carrier Current Compatible



Specifications	
Voltage Ratings	US 240 volt single phase or 208 volt 3 phase Y systems with two hot legs and a common neutral connected to earth ground at service entrance. Will operate over a wide voltage range of 85 - 265 volts with Spectrum WVR technology (MCOV=265Vac). 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.
Operating Temperature Range	0-40 deg. C
Technology	TSC Total Surge Cancellation & WVR Wide Voltage Range filter technology
Mode	Mode 1 applications, L-N (ground wire protection)
Safety Certifications	CSA 22.2 No. 8-M1986, UL 1283 5 th edition
Limiters	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.
Dynamic filtering Onset	172 volts nominal, 2 volts above peak line voltage (auto-tracking- WVR).
Max. Surge Voltage Let-through*	20 Volts above peak line voltage @ 6,000 Volts, 3,000 Amps for ANSI C62.41 Category B3/C1 Combination Wave.
Max. Applied Pulse Voltage	6,000 volts (1.2 x 50 μs – ANSI C62.41 Combination Wave)
Max. Applied Pulse Current	>100,000 amperes applied (unlimited due to internal current limiting) (8 x 20 μs).
Joule Rating	Not applicable to this technology. No MOV's to wear out.
Endurance Rating	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.
Filter Slew Rate	5,000 volts/μs disturbance reduced to 28 v/μs within AC power wave envelope; 5 v/us outside the power wave envelope.
EMI-RFI Filter Response	Bi-directional, wave tracking: With 50 ohm Rgen., load: 3 dB@ 7kHz; 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?

Zero Surge Inc. • 889 State Route 12 • Frenchtown, NJ 08825 • Tel.: 908-996-7700 • Fax: 908-996-7773

URL: www.ZeroSurge.com • Email: info@zerosurge.com

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