

PURCHASE SPECIFICATION

High Endurance POWER QUALITY FILTER for noise and surge suppression (120 VOLT, 60 HERTZ, SINGLE PHASE, 15 AND 20 AMPERE) CORD-CONNECTED- MODE 1 OPERATION

INTRODUCTION: This is a purchase specification for high performance, high endurance power line filtering and surge suppression. This filter technology avoids fixed clamping level components such as MOVs to eliminate the poor endurance, performance and safety issues often associated with these components. Parameters that describe MOV performance limitations such as Joule rating, response time, clamp level, etc. are not relevant to this filter technology.

Description	Rating	NOTES
Nominal Input Voltage	120 VAC, 50-60Hz	NEC Standards
MCOV (Maximum Continuous Operating Voltage)	175 VAC	
Usable Voltage Range: Wide Voltage Range (WVR) technology.	85-175 VAC	Fully dynamic performance with no fixed voltage clamping components offering superior performance for use with generators and in brown-out conditions
Input current rating	15 or 20 Amps	Model dependent
Overload protection		Thermal circuit breakers where applicable
Noise, Suppression circuits	Series connected inductor in "hot" leg, followed by dynamic filtering.	Surge voltage, surge current and surge duration are all suppressed for optimum protection.
Mode of Operation: (Avoid mode 2 and all-mode products to avoid system noise and reliability problems)	Mode 1 (Line-Neutral)	This mode protects the system ground circuit, avoiding system noise and degradation.
NRTL Endurance (ANSI C62.41 Standard)	1,000 surges 6,000 Volt 3,000 amp endurance rating	Filter technology does not degrade with use. No sacrificial components.
EMI/RFI Filtering	20 dB rejection at 100 kHz.	
Let-Through Voltage	Less than 330 Volts peak.	
Safety Agency Approvals	CSA 22.2 No. 8-M1986, CUL 1283 5 th Edition, UL 1363	
Performance, endurance Certification	UL 1449 Adjunct Classification	
Packaging		Model dependent
Receptacles		Model dependent
Power cord, plug	6 ft nominal	Model dependent
Dimensions		Model dependent
Weight		Model dependent
Warranty	10 years	