



Alarm/Sound/Video Products

TS-1200 Series 120VAC Panel Power Outlet

FEATURES
• Three-Stage Hybrid Design
• Common Mode Protection
• Normal Mode Protection
• Nanosecond Speed
• Unique Thermal Safety Feature
• Totally Solid-State Design
• Meets IEEE 587 CAT. A and B
• Multi-Function Indicator
• Load is Removed if Unit Fails
• UL 1449 Listed



SPECIFICATIONS		
Power Protection		
Parameter	Normal Mode (L-N)	Common Mode
Response Time	<5 nanoseconds	<5 nanoseconds
Maximum Surge Current (8x20µs)	13,000 Amps	13,000 Amps
Thermal Protect Temperature	+83°C	+83°C
IEEE 587 CAT A Ring*	265V	290V
IEEE 587 CAT B Ring*	275V	290V
IEEE 587 CAT B Impulse*	330V	370V
UL 1449 Rating	330V	330V

*Measured from zero volts, 90° phase angle
Continuous Current Rating—15 Amps

Keeping
You
Connected!



NEED HELP? Call 1-800-648-4076

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MODELS
TS-1200 —120V, 15A TVSS
TS-1200G —TS-1200 w/External Ground Lug
TS-1200T —TS-1200 w/Phone/Modem (RJ11) Line Protection
TS-1200TG —TS-1200T w/External Ground Lug
TS-1200V —TS-1200 w/Video (CATV) Protection
TS-1200VG —TS-1200V w/External Ground Lug
TS-1200D —TS-1200 w/RS232/10BaseT (RJ45) Protection
TS-1200DG —TS-1200D w/External Ground Lug
TS-1200T-DSL —TS-1200 w/DSL Protection

TELEPHONE RJ11/PROTECTION	
TS-1200T, TS-1200TG:	
D-C Breakover Voltage:	
T-R	270–350V
T-G	270–350V
R-G	270–350V
(DSL Model T-R, T-G, R-G)	(300–400V)
Leakage Current (max @ 60Hz)	<10µa
Holding Current (min)	200ma
Peak On-State Voltage I _T = 1A	3V
Response Time	<1ns
Peak Pulse Current (10 x 1000µs):	
Applied Between T-R, T-G, R-G	100A
Applied Simultaneously T-G and R-G	200A
Capacitance (50 Vdc Bias)	<50pf
Includes 7 ft. cable with male RJ5	



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VIDEO PROTECTION	
TS-1200V, TS-1200VG:	
Attenuation	1db @ 2Ghz (typical)
Firing Voltage	145 volts (DC)
Capacitance	<12pf
Maximum Surge Current	5kA (8x20µs)
Response Time	<100 nanoseconds on 10kV/µs rate-of-rise
Connectors	Type "F"
Includes 6 ft. Coax Cable	

DATA RJ45 PROTECTION	
TS-1200D, TS-1200DG:	
Peak Surge Current (8 x 20µs)	300 Amps
10 x 700µs	6 Amps
Lines Protected	8
Response Time	<1 nanosecond
Series Resistance	none
Capacitance	<70pf
Includes 7 ft. Cable with male RJs	

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