

AC Surge Protector SPD APEX IMAX Module 120 Vac Single-Phase SASD 20 kA HEMP Tested

HT-AI-IMAX-120S APEX IMAX HT 120S



Features

- 100% SASD Protection
- Tested for HEMP and Lightning
- Lugs for Mounting and Service Wiring

Applications

- Electrical Panelboards
- Industrial Automation
- Communications Base Stations
- IT & Data Centers
- Switchgear
- Motor Control Centers
- Automatic Transfer Switches
- Wastewater Treatment
- Oil & Gas
- LED Lighting
- Schools
- Hospitals

Description

EMP protector (also known as HEMP/NEMP protector) HT-AI-IMAX-120S from Transtector is a specially designed high-performance surge protector that has been tested to the most extreme early time and intermediate time High Altitude Electromagnetic Pulse environment from MIL-STD-188-125. This EMP protector utilizes state of the art SASD technology and enhanced electrical shielding features to protect critical equipment against this potentially devastating threat. All Transtector HEMP Tested EMP surge protectors are available in stock with same day shipping.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Service Voltages		120		Vac
Service Type		Single-Phase		
Maximum Continuous Operating Voltage (MCOV)				
L - N			138	Vac

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		SASD		
Protection Modes		L-N/G		
8/20 μ s Surge Current			20	kA
10/1000 μ s Surge Current			1.5	kA
20/500ns HEMP E1 Surge Current		5		kA

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[AC Surge Protector SPD APEX IMAX Module 120 Vac Single-Phase SASD 20 kA HEMP Tested HT-AI-IMAX-120S](#)

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1.5/3-5000µs E2 Surge Current	250	A
Nominal Discharge Current Rating (In)	10	kA
Response Time	5	ns

Mechanical Specifications

Size

Height	4.55 in	[115.57 mm]
Width	0.75 in	[19.05 mm]
Depth	3.88 in	[98.55 mm]
Weight	0.5 lbs	[226.8 g]
Housing Material and Plating	Noryl N190X	

Environmental Specifications

Temperature Range (Operational)	-40 to +75 deg C
Humidity	100% non-condensing

Installation

Mount Type	Panel
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Compliance Certifications

UL Compliant	Yes
Certifications	UL 1449 4th Ed. HEMP Tested per MIL-STD-188-125 HEMP Protection Levels 1,2,3

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HT-AI-IMAX-120S
APEX IMAX HT 120S



Military Grade Yes

Transtector Systems specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Transtector reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Transtector does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Transtector does not assume any liability arising out of the use of any part or documentation.

HT-AI-IMAX-120S CAD Drawing

