

## Features

- ANSI/AAMI/IEC/EN ES60601-1 (Edition 3.1)
- EMC: 60601-1-2 (Edition 4.0)
- IEC / EN 60950-1 Approval
- Means Of Protection: 2x MOPP
- Touch Current: < 100  $\mu$ A
- Regulated Output With Low Ripple Noise
- 1 Year Warranty



## Marks / Approvals



ATM 090T-P IEC 60320 C14  
ATM 090T-A IEC 60320 C8



## Specifications

OUTPUT	MODEL	Voltage	Min. Load	Max. Load	Max. Power	Connector (mm)
	ATM 090T-P/A120	12 V	0.00 A	7.00 A	84 W	2.1 x 5.5 x 11
	ATM 090T-P/A150	15 V	0.00 A	6.00 A	90 W	2.1 x 5.5 x 11
	ATM 090T-P/A180	18 V	0.00 A	5.00 A	90 W	2.1 x 5.5 x 11
	ATM 090T-P/A190	19 V	0.00 A	4.74 A	90 W	2.1 x 5.5 x 11
	ATM 090T-P/A240	24 V	0.00 A	3.75 A	90 W	2.1 x 5.5 x 11
	ATM 090T-P/A480	48 V	0.00 A	1.88 A	90 W	2.1 x 5.5 x 11
INPUT	<b>Voltage</b>	AC 100-240V				
	<b>Frequency</b>	50-60Hz				
	<b>Current (rms max)</b>	1.2A-0.5A				
	<b>Protection</b>	Internal Primary Current Fuse				
PROTECTION	<b>Over Current</b>	Yes				
	<b>Overvoltage</b>	Yes				
	<b>Short Circuit</b>	Yes				
	<b>Over Temperature</b>	Yes				
	<b>Touch Current</b>	< 100 $\mu$ A				
OTHERS	<b>Topology</b>	Switching Flyback				
	<b>Dielectric Withstand</b>	4000VAC Primary – Secondary				
	<b>Efficiency</b>	DoE Level VI; Energy Star; ErP Stage 2 Certified				
	<b>Ripple</b>	2% Vp-p Max. for Output Voltage @ Full Load				
	<b>Transient Response</b>	0.5 ms for 50% Load Change Typical				
	<b>Hold-Up Time</b>	10 ms @ Full Load				
Environment	<b>Load Regulation</b>	$\pm$ 5% Typical				
	<b>Temperature</b>	Operating: 0°C – 40 °C (Storage: -20°C – 80°C)				
	<b>Humidity</b>	Operating: 20 – 80 % RH (Storage: 10 – 90 % RH)				
MTBF	300,000 Calculated Hours at 25°C, by Telcordia SR-332					
SAFETY	ANSI/AAMI/IEC/EN ES60601-1 (Edition 3.1)					
EMI	Compliance to EN 55011 Class B; EN 61000-3-2, -3					
EMS	Compliance to IEC/EN 60601-1-2					
Case Dimensions	Class I: 160 mm x 64 mm x 35 mm					
	Class II: 155 mm x 64 mm x 35 mm					