

# 7 Watt Single Series DC/DC Converters

## Features

- High Efficiency 83% Typical
- Powered from Standard 5 Volt Source
- 48 Volt, 150 mA Low Noise Output
- Full Short Circuit and Thermal Overload Protection
- Shielded / High Thermal Conductivity Copper Case
- 700 V PK / 60 pF Isolation Barrier
- 5 Year Warranty

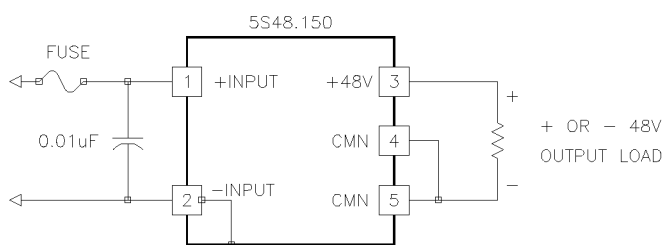
Selection Chart					
Model	Input Range VDC		Output		
	Min	Max	VDC	mA	Power W
5S48.150	4.5	5.5	48	150	7.2
Load Regulation			12% Typical		
Line Regulation			1% / % VIN Typical		
Noise			25 mV P-P Typical		
Isolation			700 VDC / 60 pF		
Operating Temperature Range (Case)			-40 to 95°C		

## Description

The 5S48.150 is a 7 watt DC/DC converter designed for telecom equipment. The converter operates off of any convenient 5 volt input source and provides a nominal 48 volts at up to 150 mA of output current. The 48 volts may be used to drive any central office powered equipment such as Feature Phones, ISDN equipment, Signaling Networks and Ringer Networks.

The converter is fully self contained and short circuit protected for true "Plug and Play" use. No external parts are required for normal use. The 5S48.150 has full input to output isolation so the output may be used as a +48 volt or the more usual -48 volt configuration simply by changing the output grounding. Operation is possible over the full industrial -40 to 95°C temperature range (case).

## Application



## Pin Out

