

Features

- Isolated DC/DC converter, 12VDC output
- 1.5kV input to output isolation
- High efficiency
- Rugged enclosure, small size

Description

The PWSISO converts the DC voltage to an ultra clean 12V DC. It is recommended to use this power regulation when supplying the recorder with a high level noise source.

Two model for different input voltage range:

PN	Input Range
PWSISO-120	9 – 18V
PWSISO-240	18 – 36V



Installation

- Connect the white wire to the + terminal of the power source, connect the white/blue to the – terminal of the power source.
- Connect the 3 pins connector to the Recorder “PWS” receptacle then, observe the Recorder LED initialization sequence.
- Do not expose wire/connector to water, oil or fuel.
- Do not install the converter near sources of interference, such as ignition coils, plug leads, electronic modules or antennas.
- Do not bend cable with curvature radius smaller than 1.60” [40 mm].
- Avoid exposing the converter to extreme vibrations.

Specifications
PWSISO- 120

Description	Symbol	Min	Typ	Max	Unit
Power Supply Input Voltage	V_{In}	9		18	V
Output Characteristics Output Voltage	V_{Out}			12	V
Ripple (RMS)	V_{ORP}		75	100	mV
Load regulation	V_{OLR}			±0.5	%
Power supply efficiency			84		%
Operating Temperature	T_{Oper}	-40 (-40)		100 (212)	C (F)
Mechanical Specifications (Housing)					
Height	H		21 (0.83)		mm
Width	W		76 (3.00)		(in)
Depth	D		52 (2.05)		

PWSISO- 240

Description	Symbol	Min	Typ	Max	Unit
Power Supply Input Voltage	V_{In}	18		36	V
Output Characteristics Output Voltage	V_{Out}			12.1	V
Ripple (RMS)			70		mV
Load regulation				±0.5	%
Power supply efficiency			87		%
Operating Temperature	T_{Oper}	-40 (-40)		100 (212)	C (F)
Mechanical Specifications (Housing)					
Height	H		21 (0.83)		mm
Width	W		76 (3.00)		(in)
Depth	D		52 (2.05)		