

EFRD-S257

DC To DC 250W ERP1U Redundant Power Module

Features:

High Efficiency >80%

250W with +12V, -12V and +5VSB Output

0~50°C Working Temperature

Dimension: 50.5(W) x 40(H) x 220(D) mm

General Specification

• Input Range:-36V~-72VDC

● Efficiency: ≥80% @ -48VDC

Short Circuit Protection

Over Current Protection

Over Voltage Protection

No load Operation

Over Temperature Protection

MTBF >100,000 Hours@25℃

• Operating Temperature: 0 to 50 $^{\circ}$ C • Operating Humidity: 20 to 90 $^{\circ}$

EMI/RFI: CE, FCC class ASafety: UL, CB, TUV, CCC



Input and Output Characteristics

	Input			Output	
Voltage	Current	Load	+12V	-12V	+5VSB
-36V~-72	9~4.5A	Max.Load	20A	0.5A	2A
VDC		Min.Load	0.8A	0A	0A

Note: Noise bandwidth is from DC to 20 MHz

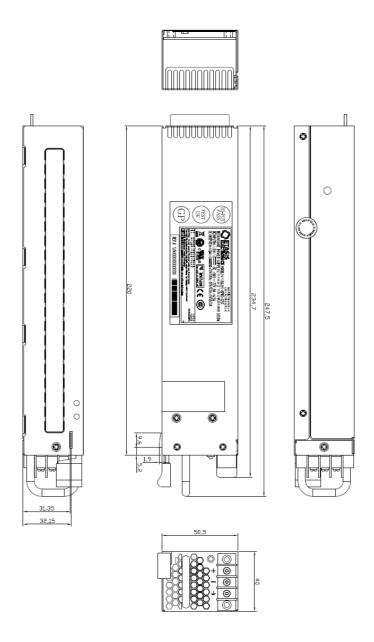
Ripple and Noise

Output	+12V	-12V	5Vsb
Load Regulation	± 5%	± 5%	± 5%
Line Regulation	± 1%	± 1%	± 1%
Ripple & Noise	120mV	120mV	60mV

Mechanical

Outline Dimension: 50.5x40x220(mm)

Outline Drawing



©ETASIS Electronic Corporation. All rights reserved. ETASIS Electronics Corporation reserves the right to make changes to their products, specification, or to discontinue any product and its service at anytime without notice. The information and specification from ETASIS is believed to be accurate and reliable. However, ETASIS assumes no responsibility for any business loss due to specification changes. ETASIS products are not designed to be used in system deemed to be critical, or in any system wherein failure or malfunction could result in injury or death.