



MPF 072 1 D 01

APPLICATION : RAILWAY

INPUT RANGE VOLTAGE : 24VDC
OUTPUT VOLTAGE : 48VDC @ 1.5A
TOTAL MAX POWER : 72W
SIZES: 100 x 100 x 50mm (L x W x H)
STANDARDS: EN 50 155 EN 50121-3-2



INPUT CHARACTERISTICS

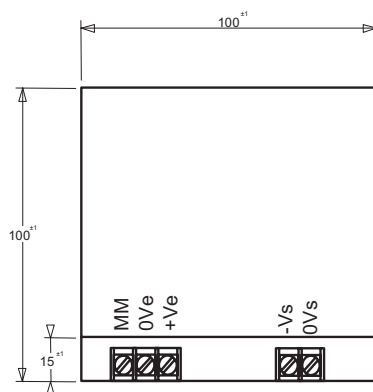
Nominal Voltage : 24VDC
 Input Range ; 18 to 32VDC
 Input transient protection : By Gemov
 Reverse voltage : By fuse
 By diode in parallel on DC input voltage
 Input Inrush current : < 10In

OUTPUT CHARACTERISTICS

	VO
Output Voltage	+48V
Output Current	1.5A
Load and line regulation	±5%
Ripple Noise BW 20MHz	150mV

Short Circuit Protection : Short circuit protection >1.25In auto recovery.
 Efficiency : ≥80%

MECHANICAL DRAWING



PHYSICAL CHARACTERISTICS

Case Size : 100x100x50mm
 Construction: Metallic box

CONNECTORS

Input/Output : Screw connector blocks

RELIABILITY

MTBF : 200 000h at 25°C Mobile Ground MILHDBK217F

DIELECTRIC STRENGTH

Dielectric strength: 1500VAC (Input to Output)
 1500VAC (Input + Output to GND)
 Isolation : 100MΩ under 500VDC

ENVIRONMENTAL SPECIFICATIONS

Humidity: Up to 95% non-condensing
 Conform to EN50155
 Operating Temperature Range : -40 to +85°C
 Storage temperature : -40°C to 85°C
 Cooling : free air convection

STANDARDS

Shocks and vibrations : Conform to EN 50 155
 Salt fog: Conform to EN50155
 EMI filter: EN5011 Class A,
 EN 61000-4-6, 3VRMS
 EN 61000- 4-3, 20V/m
 EN 61000-4-4, 2kV
 EN 61000-4-5, 2kVCM, 1kVDM

