

POWERLINE - DC/DC-Converter

High Voltage Input Series

RECOM

Features

- For Telecom DSM, XDSL, Application
 - High Efficiency
- Internal Pi Filter
 - Multi-Outputs
 - Overcurrent Protection



Selection Guide

Part Number	Input Range	Output Voltage	Output Current	Efficiency (%)	Dimension
RP3.75D2/x1	28-60VDC	5VDC	750mA	78	D2
RP7.5D2/x1	40-140VDC	5VDC	1500mA	78	D2
RP7E1/x1	36-180VDC	+5VDC ±15VDC	1.0A ±65mA	77	E1
RP8.7E1/x1	36-170VDC	+5.1VDC ±12VDC	1.0A +100mA -200mA	77	E1
RP14.7E1/x1	20-60VDC	+5VDC ±12VDC -48VDC	1.5A +200mA -50mA	76	E1
RP6.4E1/x1	95-190VDC	±5VDC -35VDC 70VAC	+340mA -35mA -100mA 1W	77	E1
RP10E1/x1	190-270VDC	±5VDC -28VDC -32VDC 70VAC	+560mA -60mA -155mA -50mA 1W	76	E1
RP13E1/x1	160-260VDC	±5VDC -18VDC -48VDC -80VDC	+500mA -40mA -125mA -30mA -100mA	80	E1
RP4.3/x1	10-20VDC	+3.3VDC +12VDC -12VDC	+2000mA +150mA -150mA	75	L1
RP6/x1	10-20VDC	+3.3VDC +12VDC -12VDC	+1000mA +100mA -100mA	75	C1

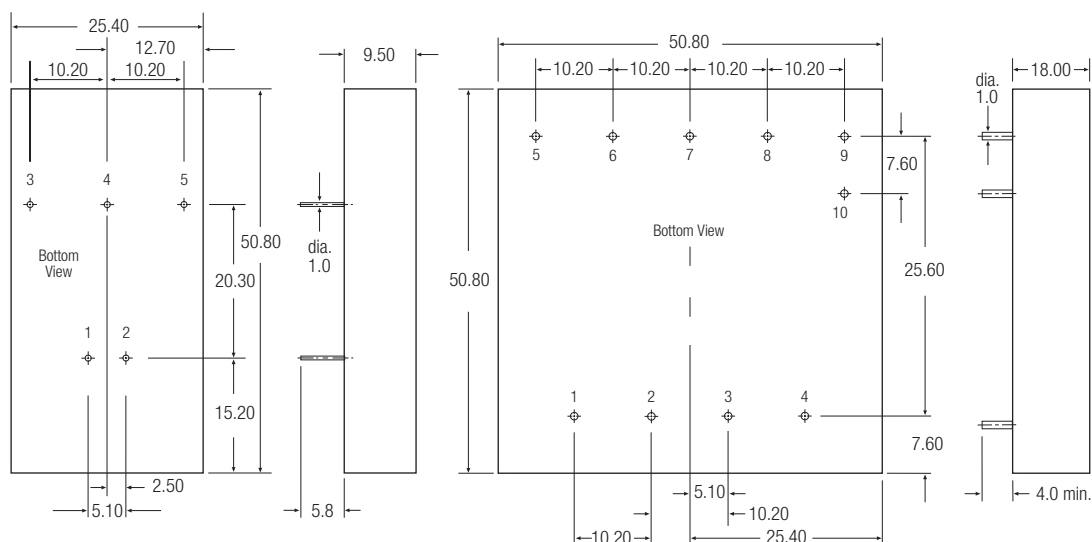
Specifications (typical at nominal input and 25°C unless otherwise noted)

Input Voltage Range	See „Selection Guide“ Table
Input Filter	PI Type
Voltage Accuracy	±2.0%, (main)
Line Regulation, Full Line	±0.2%, (main)
Load Regulation, FL-1/4FL	±0.25%, (main)
Temperature Coefficient	±0.02%/°C
Short Circuit Protection	Continuous
Isolation Voltage	1600VDC, min.
Isolation Resistance	10 ⁹ Ω
Operating Temperature Range	-25°C to +71°C
Storage Temperature Range	-40°C to +85°C
Cooling	Free-air Convection
Dimensions	See below „Package Style and Pinning“

Package Style and Pinning (mm)

D2 Case: 50.8 x 25.4 x 9.5 mm

E1 Case: 50.8 x 50.8 x 18 mm

Pin Pitch Tolerance ± 0.5 mmPin Pitch Tolerance ± 0.4 mm