

POWERLINE - DC/DC-Converter

High Voltage Output Series

RECOM

Features

- For XDSL, DSM, Telecom Application
- High Efficiency up to 86%
- Internal Pi Filter
- Overcurrent Protection



Selection Guide

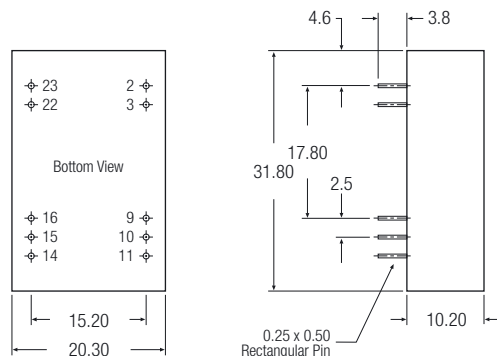
Part Number	Input Range	Output Voltage	Output Current	Efficiency (%)	Dimension
RP3.6A2/x1	36-72 VDC	120 VDC	30 mA	72	A2
RP6D2/x1	36-72 VDC	120 VDC	50 mA	78	D2
RP9.2D2/x1	36-72 VDC	92 VDC	100 mA	81	D2
RP15.4F2/x2	20-72 VDC	110 VDC	140 mA	84	F2
RP15.4F2/x1	20-72 VDC	140 VDC	110 mA	86	F2
RP11.4E1/x1	36-72 VDC	190 VDC	60 mA	80	E1
RP16.2E1/x1	36-72 VDC	267 VDC	60 mA	81	E1
RP19E1/x1	36-72 VDC	±95 VDC	±100 mA	83	E1
RP26Q1/x1	36-72 VDC	±130 VDC	±100 mA	83	Q1
RP16.7E1/x1	90-190 VDC	±95/+5 VDC	±80/300 mA	78	E1
RP50R2/x1	36-75 VDC	+3.3/+5 VDC	10 A/3 A	82	R2
RP57R2/x1	36-75 VDC	+3.3/+12 VDC	10 A/±1 A	85	R2

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

Input Voltage Range	See table above: Selection Guide
Input Filter	Pi Type
Voltage Accuracy	±2.0%
Ripple and Noise, 20 MHz BW	2% Vout
Line Regulation, Full Line	±0.2%
Load Regulation, FL-1/4FL	±0.20% (Single) ±2% (Dual)
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 next page: Package Style and Pinning

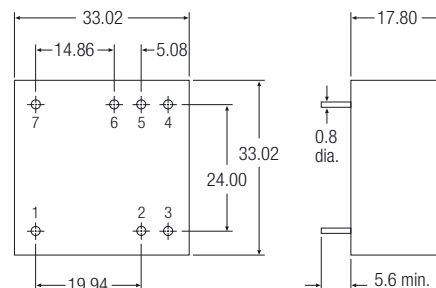
Package Style and Pinning (mm)

A I Case: 31.8 x 20.3 x 10.2 mm



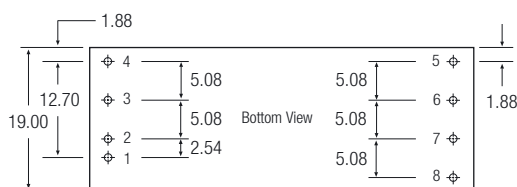
Pin Pitch Tolerance ± 0.35 mm

C2 Case: 33.02 x 33.02 x 17.8 mm



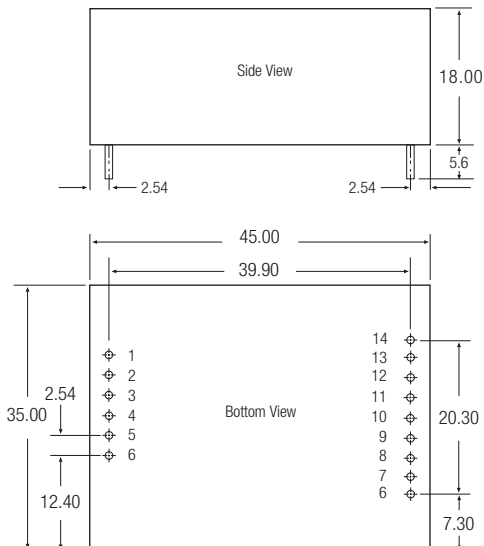
Pin Pitch Tolerance ± 0.3 mm

PI Case: 50.8 x 19 x 18 mm



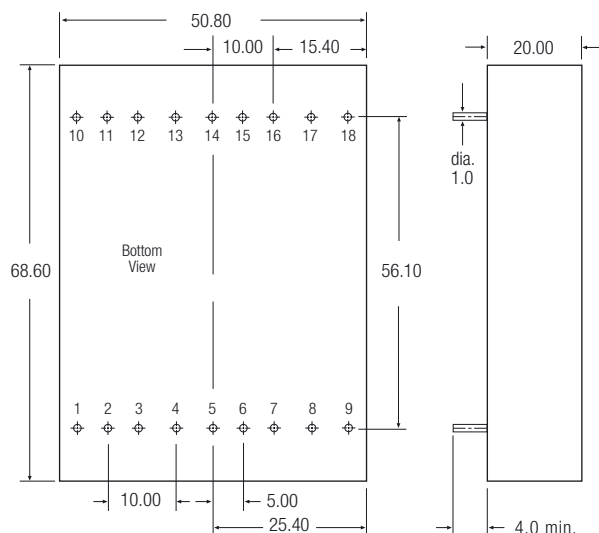
Pin Pitch Tolerance ± 0.4 mm

LI Case: 45 x 35 x 18 mm



Pin Pitch Tolerance ± 0.25 mm

Q I Case: 68.6 x 50.8 x 20 mm



Pin Pitch Tolerance ± 0.4 mm