

- ◆ Fully Protected (OCP/OVP/UVLO) / 5000m Operating Altitude
- ◆ 3000Vac I/O Isolation / Regulated Outputs
- ◆ Low No Load Consumption
- ◆ Shock & Vibration EN50155 (EN61373) Compliant
- ◆ Fire & Smoke EN45545-2 Compliant
- ◆ EN50155 Compliant With External Circuit

Input Voltage Range	72V(Range 8.5-160V)
Input Surge Voltage (100mS max.)	200VDC max.
Undervoltage lockout	Turn-on: 8.2~9.5VDC Turn-off: 6.9~8.0VDC Lockout Hysteresis: 1.5VDC
Remote On/Off Logic	See note
Input Filter.....	LC filter
Voltage Accuracy.....	±1% max
R & N(5~20MHz BW)	100mVpK-pK max, 40mV/RMS
Temperature Coefficient (-40°C to +100).....	± 0.02%/°C max
Short Circuit Protection	Continuous, Auto Recovery
Line Regulation (High line to Low line).....	± 0.2% max
Load Regulation (Full load to No Load, single).....	± 0.5% max
Load Regulation (Full load to No Load, dual).....	± 1.0% max
OCP (Hiccup mode, Auto Recovery)	110%~180%
Isolation Voltage	Input to Output3000Vac
Isolation Resistance.....	1000M Ω min
Operating Case Temperature.....	-40°C to +100°C
Storage Temperature Range.....	-55°C to +125°C
Case Material.....	Plastic, DAP, UL94V-0
Base Material.....	Plastic, LCP, UL94V-0
Potting Material.....	UL94V-0
Weight.....	16g

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	No Load Input Current	EFF. Typ. %	Capacitor Load Max
EU10-91	8.5-160	5	2000	6mA	84	2000μF
EU10-92	8.5-160	12	835	6mA	88	835μF
EU10-93	8.5-160	15	668	6mA	88	668μF
EU10-94	8.5-160	± 5	± 1000	6mA	83	1000μF
EU10-95	8.5-160	± 12	± 416	6mA	87	416μF
EU10-96	8.5-160	± 15	± 333	6mA	87	333μF

1. Nominal Input Voltage 72 VDC
2. An External Input Capacitor 220uF for All Models are Recommended to Reduce Input Ripple Voltage
3. All Specifications are Typical at Nominal Input, Full Load at 25°C Unless Otherwise Noted.
4. Ripple and Noise are Measured at Full load, 22uF aluminum solid capacitor and 1uF ceramic capacitors
5. Remote ON/OFF Logic Compatibility.....Open collector Refer To -V Pin
 Logic Low (Module OFF).....0 to < 1.2V
 Logic High (Module ON).....3.5 or open circuit to <160V

Technical drawing showing the bottom view and a side view of a mechanical part.

Bottom View Dimensions:

- Overall width: 1.25 [31.8]
- Overall height: 0.80 [20.3]
- Distance from left edge to center of hole 13: 0.600 [15.24]
- Distance from center of hole 13 to center of hole 11: 0.80 [20.3]

Side View Dimensions:

- Overall height: 0.08 [2.0]
- Distance from bottom edge to center of hole 11: 0.100 [2.54]
- Distance from center of hole 11 to center of hole 12: 0.15 [3.8]
- Distance from center of hole 12 to right edge: 0.50 [12.7]

Notes:

- SEE NOTE (pointing to a feature on the side view)

PIN CONNECTION		
Pin	Single Output	Dual Output
1	+V Input	+V Input
2	+V Input	+V Input
3	Remote On/Off	Remote On/Off
11	NP	Common
12	-V Output	NP
13	+V Output	-V Output
15	NP	+V Output
23	-V Input	-V Input
24	-V Input	-V Input

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