

- ◆ Fully Protected (OTP/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: 8.5~9.5VDC Turn-off: 7.0~8.0VDC Lockout Hysteresis: 1.5VDC
Remote On/Off Logic	See note
Input Filter.....	PI 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).....	± 0.2% 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 +105°C
Storage Temperature Range.....	-55°C to +125°C
Case Material.....	Plastic, DAP, UL94V-0
Base Plate Material.....	FR4
Potting Material.....	UL94V-0
Weight.....	28.5g

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	No Load Input Current	EFF. Typ. %	Capacitor Load Max.
EU20-91	8.5-160	5	4000	5mA	86	6800μF
EU20-92	8.5-160	12	1670	8mA	89	3300μF
EU20-93	8.5-160	15	1330	8mA	89	2200μF
EU20-95	8.5-160	± 12	± 833	8mA	89	820μF
EU20-96	8.5-160	± 15	± 667	8mA	89	680μF
EU20-96A	8.5-160	± 24	± 417	8mA	90	330μF
EU20-91N	8.5-160	5	4000	5mA	86	6800μF
EU20-92N	8.5-160	12	1670	8mA	89	3300μF
EU20-93N	8.5-160	15	1330	8mA	89	2200μF
EU20-95N	8.5-160	± 12	± 833	8mA	89	820μF
EU20-96N	8.5-160	± 15	± 667	8mA	89	680μF
EU20-96AN	8.5-160	± 24	± 417	8mA	90	330μF

Note

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
Suffix = Blank, Positive Remote Logic.
Logic Low (Module OFF)..... 0 to <1.2V
Logic High (Module ON)..... 4.0 or open circuit to <160V
Suffix = N, Negative Remote Logic.
Logic High (Module OFF)..... 4.0 or open circuit to <160V
Logic Low (Module ON)..... 0 to <1.2V

Note : All Dimensions in Inches [mm]
Tolerance : Inches: x.xx = ± 0.02 , x.xxx = ± 0.010 ; Minimeters: x.x = ± 0.5 , x.xx = ± 0.25

PIN CONNECTION		
Pin	Single	Dual
1	+V Input	+V Input
2	-V Input	-V Input
3	+V Output	+V Output
4	Trim	-V Output
5	-V Output	Common
6	Remote On/Off	