

FEATURES **Single Output**

- High Efficiency
- Small, Compact Size
- Universal Input
- Surface Mounting Technology
- Built-in EMI Filter
- Inrush Current Limit
- Adjustable Output Voltage
- Output Over Current Protection
- Output Over Voltage Protection
- Over Temperature Protection
- Low Output Ripple / Noise
- Isolated Output
- 2 Years Warranty

ELECTRICAL SPECIFICATIONS

Input

- Voltage AC 90V - 264V (or DC 110 - 340V) (NOTE)
- Current 1.25A Max.
- Frequency 47 - 440Hz Max. (50 - 60Hz typ.)
- Efficiency 75 - 82% Typ.
- Inrush Current (at Cold Start) 30A Max. @110Vac / 60A Max. @220Vac
- Leakage Current 0.5mA Max. @110Vac / 0.75mA Max. @220Vac

Output

- Output Voltage Tolerance $\pm 10\%$ Typ.
- Ripple and Noise $\pm 1.0\%$ Max.
- Line Regulation $\pm 1.0\%$ Max.
- Load Regulation $\pm 1.0\%$ Max.
- Dynamic Load Regulation $\pm 3.0\%$ Max.
- Temperature Drift $\pm 1.0\%$ Typ.
- Rising Time 100ms Max.
- Holding Time 17ms Min.

Protection Circuit

- Over Current Protection Work Over 105% of Rating (Recovers Automatically)
- Over Voltage Protection Work at 115~140% of Rating (Latch-Up Mode)
- Over Temperature Protection 80°C Min.

Electrically Isolated

- Input - Output AC 3KV, 1min. 10mA / DC 500V, 100M Min.
- Input - FG AC 2KV, 1min. 10mA / DC 500V, 100M Min.
- Output - FG AC 0.5KV, 1min. 10mA / DC 500V, 70M Min.

NOTE For cases where conformance to various safety specs (UL, CSA, CE, etc) are required, input voltage and frequency range will be 100-240VAC, 50/60Hz.

ENVIRONMENTAL

- Operating Temperature Range -10°C ~ 60°C
- Operating Humidity (Non-Condensing) 20% ~ 90%RH
- Storage Temperature Range -20°C ~ 70°C
- Storage Humidity (Non-Condensing) 20% ~ 90%RH
- Vibration 10 ~ 55Hz at 2G 3Minutes Period
- Impact 20G for 11ms, once on each X, Y and Z-axis
- Cooling Method Convection
- MTBF (MIL-HDBK-217F) 1.8 X 10⁵ hrs
- Safety (Single Output)
 - UL (UL 60950), CSA C22.2 (NO.60950) : E227474
 - CB (IEC 60950) / CE_LVD (EN 60950) through TÜV
- Noise Meets CISPR22-B / FCC class B

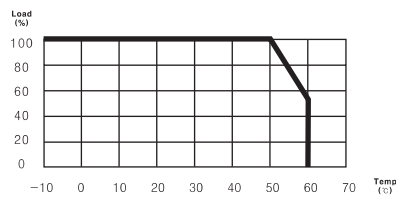
ORDERING INFORMATION

Input	Output	Maximum Power	Ripple&Noise Max.	Efficiency Typ.	Model Number
AC 90 ~ 264V or DC 120 ~ 340V	3.3V@10.00A	33.00W	50mVp-p	75%	CS50-3R3
	5V@10.00A	50.00W	80mVp-p	75%	CS50-5
	12V@4.20A	50.40W	100mVp-p	77%	CS50-12
	15V@3.40A	51.00W	120mVp-p	80%	CS50-15
	24V@2.10A	50.40W	150mVp-p	82%	CS50-24

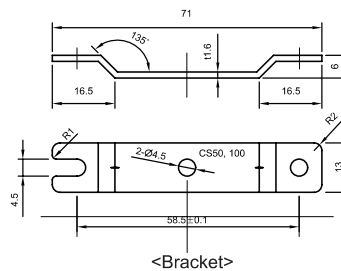
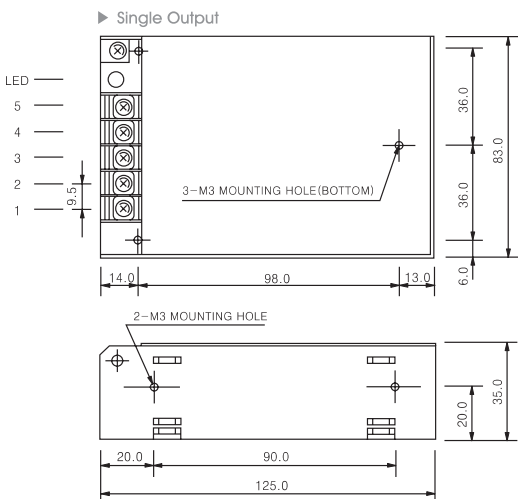
PIN ASSIGNMENTS

Connector	Single
CN 1	1. AC(L)
	2. AC(N)
	3. FG
	4. - V
	5. +V

DERATING CURVE



DIMENSION



NOTE

- 1 All dimensions are in mm
- 2 Weight : 360g or less (single)
- 3 Mounting holes(5) for M3 screw, which should not enter the supply surface by more than 3.5mm.