

### 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 .....	CS75L : AC 90V - 132V ( <b>NOTE1</b> ) CS75 : AC 170V - 264V (or DC 240 - 340V) ( <b>NOTE2</b> )
• Current .....	1.7A Max. (CS75L) / 0.9A Max. (CS75)
• Frequency .....	47 - 440Hz Max. (50 - 60Hz typ.)
• Efficiency .....	77 - 86% Typ.
• Inrush Current (at Cold Start) .....	20A Max. @110Vac (CS75L) / 40A Max. @220Vac (CS75)
• Leakage Current .....	0.5mA Max. @110Vac (CS75L) / 0.75mA Max. @220Vac (CS75)

#### Output

• Output Voltage Tolerance .....	±10% Typ.
• Ripple and Noise .....	±1.0% Max.
• Line Regulation .....	±1.0% Max.
• Load Regulation .....	±1.0% Max.
• Dynamic Load Regulation .....	±3.0% Max.
• Temperature Drift .....	±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°C of Rating (Latch-Up Mode)
• Over Temperature Protection .....	80°C Min.

#### Electrically Isolated

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

**NOTE** 1. For cases where conformance to various safety specs (CE) are required, input voltage and frequency range will be 100-120VAC, 50/60Hz.  
2. For cases where conformance to various safety specs (CE) are required, input voltage and frequency range will be 200-240VAC, 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 10<sup>5</sup> hrs
- Safety (Single Output) ..... CE\_LVD (EN 60950-1) through TÜV
- Noise ..... Meets CISPR22-B / FCC class B

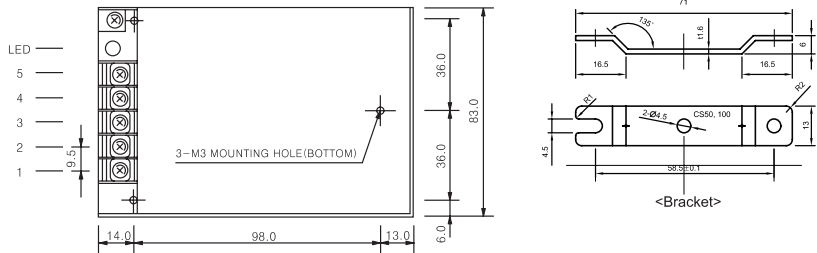
ORDERING INFORMATION

Input	Output	Maximum Power	Ripple&Noise Max.	Efficiency Typ.	Model Number
AC 90 ~ 132V or AC 170 ~ 264V (DC 240~340V)	3.3V@15.00A	49.50W	80mVp-p	77%	<b>CS75L-3R3</b>
	5V@15.00A	75.00W	100mVp-p	81%	<b>CS75L-5</b>
	12V@6.30A	75.60W	120mVp-p	83%	<b>CS75L-12</b>
	15V@5.00A	75.00W	150mVp-p	84%	<b>CS75L-15</b>
	24V@3.20A	76.80W	200mVp-p	85%	<b>CS75L-24</b>
	48V@1.60A	76.80W	300mVp-p	85%	<b>CS75L-48</b>
	3.3V@15.00A	49.50W	80mVp-p	78%	<b>CS75-3R3</b>
	5V@15.00A	75.00W	100mVp-p	82%	<b>CS75-5</b>
	12V@6.30A	75.60W	120mVp-p	84%	<b>CS75-12</b>
	15V@5.00A	75.00W	150mVp-p	85%	<b>CS75-15</b>
	24V@3.20A	76.80W	200mVp-p	86%	<b>CS75-24</b>
	48V@1.60A	76.80W	300mVp-p	86%	<b>CS75-48</b>

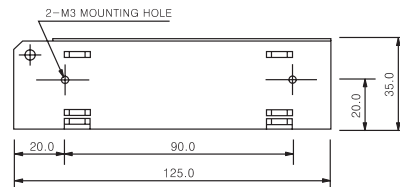
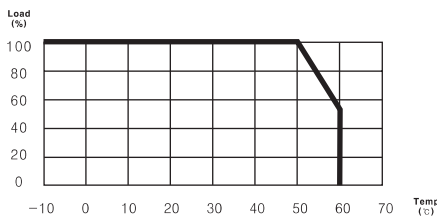
PIN ASSIGNMENTS

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

DIMENSION



DERATING CURVE



NOTE

- 1 All dimensions are in mm
- 2 Weight : 400g or less (single)
- 3 Mounting holes(5) for M3 screw, which should not enter the supply surface by more than 3.5mm.