



FEATURES Single, Dual Outputs

- High Efficiency
- Encapsulated, Compact Case
- Universal Input
- Surface Mounting Technology
- Built-in EMI Filter
- Inrush Current Limit
- Fixed Output Voltage
- Thermal Shutdown
- Output Short Circuit Protection
- Over Voltage Protection
- Low Output Ripple / Noise
- Isolated Output
- 2 Year Warranty

ELECTRICAL SPECIFICATIONS

Input	• Voltage	AC 85V - 264V (or DC 110 - 340V)
	• Current	0.49A Max. @110Vac / 0.69A Max. @220Vac
	• Frequency	47 - 440Hz Max. (50 - 60Hz Typ.)
	• Efficiency	68 - 86% 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	±2.0% (Single and Uncomplementary Dual) ±3.0% (Complementary Dual)
	• Ripple and Noise	±1.0% Max.
	• Line Regulation	±1.0% Max.
	• Load Regulation	±1.0% Max.
	• Dynamic Load Regulation	±3.0% Max.
	• Temp Drift	±1.0% Typ.
	• Rising Time	400ms Max.
	• Holding Time	10ms Min.
Protection Circuit	• Over Current Protection	Work Over 105% of Rating (Recovers Automatically)
	• Over Temperature Protection	140°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.

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 10G 3Minutes Period
- Impact 50G for 11ms, once on each X, Y and Z-axis
- Cooling Method Convection
- MTBF (MIL-HDBK-217F) 5.3×10^5 hrs
- Noise Meets Fcc Class B (Need External Filter)

ORDERING INFORMATION

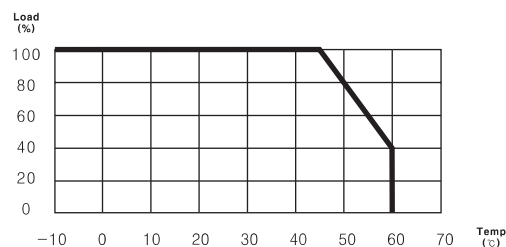
Input	Output1	Output2	Maximum Power	Ripple&Noise Max.	Efficiency Typ.	Model Number
AC 85 ~ 264V or DC 110 ~ 340V	5V@10.00A		50.00W	80mVp-p	82%	FS60-5(C)
	12V@5.00A		60.00W	120mVp-p	87%	FS60-12(C)
	15V@4.00A		60.00W	150mVp-p	86%	FS60-15(C)
	24V@2.50A		60.00W	200mVp-p	89%	FS60-24(C)
	+12V@2.50A	-12V@2.50A	60.00W	120/120mVp-p	86%	FSD60-1212
	+15V@2.00A	-15V@2.00A	60.00W	150/150mVp-p	87%	FSD60-1515

C: Chassis Mount Type

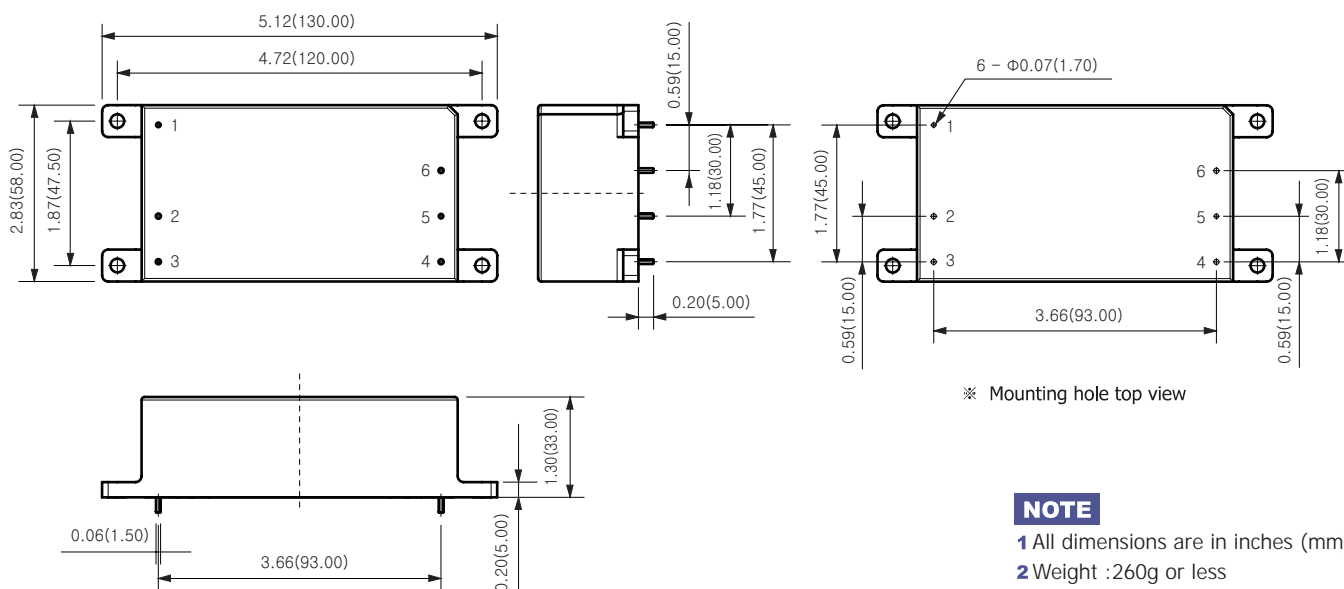
PIN ASSIGNMENTS

Single Output	Dual Output
1. FG	1. FG
2. AC(N)	2. AC(N)
3. AC(L)	3. AC(L)
4. +Vout	4. -Vout
5. -Vout	5. COM
6. NC	6. +Vout

DERATING CURVE



DIMENSION



NOTE

- 1 All dimensions are in inches (mm)
- 2 Weight : 260g or less
- 3 Case Material : PBT