



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
- Low Input Power at No Load (0.2W)
- Output Short Circuit Protection
- Low Output Ripple / Noise
- Isolated Output
- 2 Year Warranty

ELECTRICAL SPECIFICATIONS

Input	<ul style="list-style-type: none"> • Voltage AC 85V - 264V (or DC 110 - 340V) • Current 0.34A Max. @110Vac / 0.58A Max. @220Vac • Frequency 47 - 440Hz Max. (50 - 60Hz Typ.) • Efficiency 77 - 87% Typ. • Inrush Current (at Cold Start) 30A Max. @110Vac / 60A Max. @220Vac • Leakage Current 0.5mA Max. @110Vac / 0.75mA Max. @220Vac
Output	<ul style="list-style-type: none"> • Output Voltage Tolerance $\pm 2.0\%$ (Single and Uncomplementary Dual) $\pm 3.0\%$ (Complementary Dual) • 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. • Temp Drift $\pm 1.0\%$ Typ. • Rising Time 400ms Max. • Holding Time 10ms Min.
Protection Circuit	<ul style="list-style-type: none"> • Over Current Protection Work Over 105% of Rating (Recovers Automatically) • Over Temperature Protection 140°C Min.
Electrically Isolated	<ul style="list-style-type: none"> • 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) 3.0 X 10⁵ hrs
- Safety (Single Output) *Approval Pending
 - ┌ UL (UL 60950, CSA C22.2 NO.60950) : E227474
 - └ CE_LVD (EN 60950) through TÜV
- Noise Meets Fcc Class B (Need External Filter)

* To meet the standard of EN61204-3 Class-B, use the external noise filter between L and N (Refer to manual)

ORDERING INFORMATION

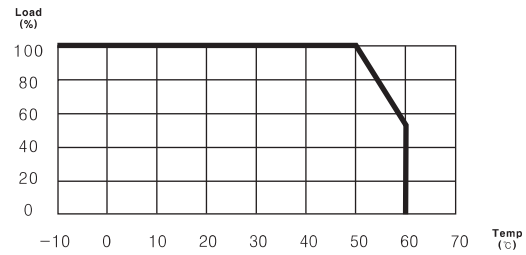
Input	Output1	Output2	Output3	Maximum Power	Ripple&Noise Max.	Efficiency Typ.	Model Number
AC 85 ~ 264V or DC 110 ~ 340V	3.3V@6.00A			19.80W	80mVp-p	77%	eFS30-3R3(C)
	5V@6.00A			30.00W	80mVp-p	81%	eFS30-5(C)
	12V@2.50A			30.00W	120mVp-p	85%	eFS30-12(C)
	15V@2.00A			30.00W	150mVp-p	87%	eFS30-15(C)
	24V@1.25A			30.00W	200mVp-p	88%	eFS30-24(C)
	+12V@1.25A	-12V@1.25A		30.00W	120/120mVp-p	86%	eFD30-1212
	+15V@1.00A	-15V@1.00A		30.00W	150/150mVp-p	87%	eFD30-1515

C: Chassis Mount Type

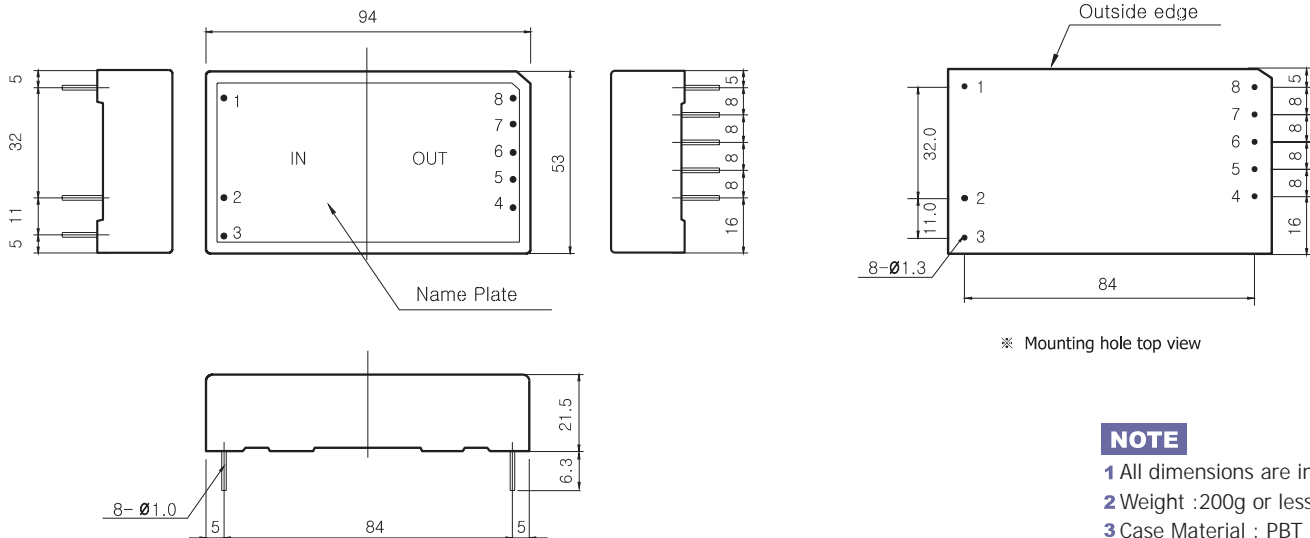
PIN ASSIGNMENTS

Single Output	Dual Output	Triple Output
1. FG	1. FG	1. FG
2. AC(N)	2. AC(N)	2. AC(N)
3. AC(L)	3. AC(L)	3. AC(L)
4. No Connect	4. No Pin	4. Output 1
5. No Pin	5. Output 1	5. GND
6. +Vout	6. GND	6. Output 2
7. No Pin	7. Output2	7. GND
8. - Vout	8. No Pin	8. Output 3

DERATING CURVE



DIMENSION



NOTE

- 1 All dimensions are in mm
- 2 Weight :200g or less
- 3 Case Material : PBT