NEW

eAFC20H Series

20 Watt

- Power Module for PCB Mountable
- Universal Input: 90-305 VAC, 47-440 Hz
- Low Standby< 0.3W
- Regulated Output and Low Ripple and Noise
- Small Size as AFCN 10Watt with 20Watt Higher Power
- Isolation Class II
- CE, UL Approvals (Pending)
- 3-Year Warranty

E199779 LEVEL3 (In Progress)

NEW

eAFD25 Series

25Watt

- Power Module for PCB Mountable
- Universal Input: 90-264 VAC, 47-440 Hz
- Low Standby<0.25W
- Regulated Output and Ripple and Noise
- Small Size as AFCN 10Watt with 20Watt Higher Power
- Isolation Class II
- CE, CB, UL Approvals (60950, 60335)
- 3-Year Warranty

E199779 LEVEL3 (In Progress)

Input Specifications	eAFC20H	eAFC25
Voltage Range	90 ~ 305 VAC or 120~430 VDC	90 ~ 264 VAC or 120~370 VDC
Frequency	47~440Hz	
Output Specifications	**eAFC20H**	**eAFC25**
Output Power	20 Watt (max.)	
Voltage Acouraoy	±2% (Full Load and Nominal Virl)	
Minimum Load	0% (at Full Load)	
Line Regulation	±1% (LLto HLat Full Load) (typ.)	
Load Regulation (5% to 100% at Full Load)	±0.3% (typ.) others: ±1% (typ.)	
Ripple & Noise (20MHz bandwidth)	58:120mV (Vp-p)(max.)	5S:I2OmV (Vp-p~ma)
	12S:120mV(Vp-p)(max)	12S:150mV(Vp-pxmat)
	15S:150mV(Vp-p)(max.)	150:160mY(Vp-p)(max.)
	24:240mV(Vp-p)(max.)	24s:24OmV(Vp-p)(max.)
Teperature Coefficient	±0.05% °C (max.)	
Short Circuit Protection	Hiccup mode, indefinite (Automatic recovery)	
General Specifications	**eAFC20H**	**eAFC25**
Efficiency (see table list)	77% to 80% (typ.)	73% to 83% (typ.)
Isolation Voltage	3000 VAC (min.)	
Isolation Resistance	10^8 Ω (Input to Output) (min.)	
Operating Temperature	-40°C to +70°C (With Derating)	
Storage Temperature	-40°C to +85°C	
Humidity	95% RH (max.)	
Cooling	Free-air Convection	
Physical Specifications		
Dimension	52.5 x 27.5 x 23.5 mm	
(Tolerance ±0.5 mm)	2.07 x 1.08 x 0.93 inches	
Weight	62g	
Case Material	Plastic resin (flammability to UL 94V-0)	

Model

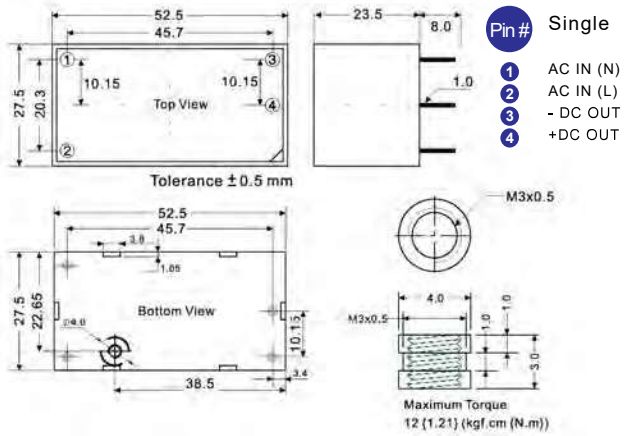
eAFC20H Single Output

Model & Ordering No	Input Voltage (V.AC)	Output Volgage (V.DC)	Output Current (m.A) max.	Eff (%)
eAFC20H- 5S	90~305	5	3529	82
eAFC20H- 12S	90~305	12	1660	85
eAFC20H- 15S	90~305	15	1330	86
eAFC20H- 24S	90~305	24	833	86

eAFD25 Single Output

Model & Ordering No	Input Voltage (V.AC)	Output Volgage (V.DC)	Output Current (m.A) max.	Eff (%)
eAFD25- 5S	90~264	5	3922	82
eAFD25- 12S	90~264	12	2083	86
eAFD25-15S	90~264	15	1666	85
eAFC20N- 24S	90~264	24	1042	86

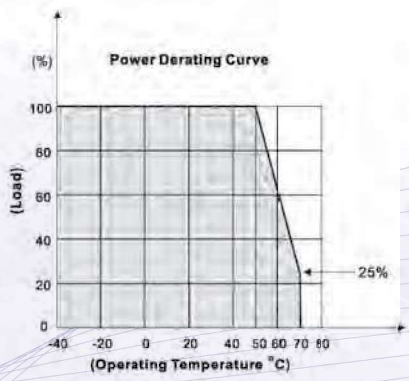
Outline Dimensions & Pin Connections



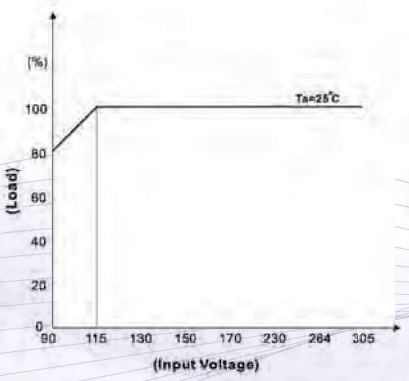
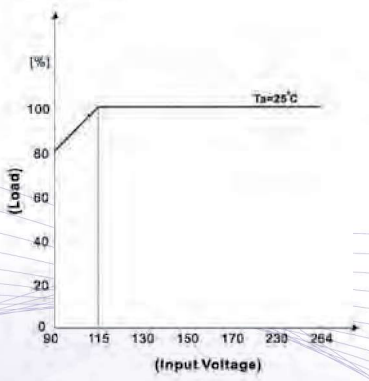
Pin #	Single
1	AC IN (N)
2	AC IN (L)
3	- DC OUT
4	+DC OUT

Derating

eAFC20H / eAFD25 Series



eAFC20H Series



eAFD25 Series