



CFM06S SERIES

6 WATT SINGLE OUTPUT

AC-DC OPEN FRAME



Features

- * Universal Input 90~264Vac
- * High Efficiency up to 83%
- * Approval EN55032 Class B and CISPR/FCC Class B
- * Approval IEC/EN/UL 62368-1
- * Meets IEC/EN60335-1
- * Continuous Short Circuit Protection
- * No Load Input Power < 75mW
- * Over Voltage Protection
- * Constant Current (Optional)
- * Class II



Ordering information

CFM06SXXX - X

Blank: PCB mount

E: Encapsulated

T: WAFER

MODEL	Output Voltage	Output Current	Ripple (mV p-p) NOTE 1	Voltage Accuracy NOTE 2	Line Regulation NOTE 3	Load Regulation NOTE 4	% EFF. (typ.) NOTE 5
CFM06S033	3.3 V	1.5 A	100 mV	±6%	±1%	±6%	75%
CFM06S050	5 V	1.2 A	100 mV	±5%	±1%	±5%	78%
CFM06S090	9 V	0.67 A	100 mV	±5%	±1%	±5%	81%
CFM06S120	12 V	0.5 A	120 mV	±3%	±1%	±3%	81%
CFM06S150	15 V	0.4 A	150 mV	±3%	±1%	±3%	81%
CFM06S240	24 V	0.25 A	240 mV	±3%	±1%	±3%	83%

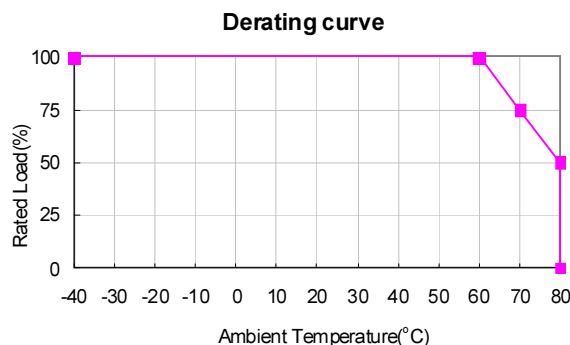
Typical at 25°C, nominal line and 75% load, unless otherwise Specified

CFM06S Series De-rating Curve

Voltage	90~264V _{ac}
	120~370V _{dc}
Frequency	47 to 63Hz
Inrush Current	90A max. @240Vac, Cold Start @25°C
Leakage Current	0.25mA max. @ 264V _{ac}
Input Current	0.25A max.

Holdup Time	12ms typ. @115V _{ac}
Short Circuit Protection	Hiccup Mode (Auto Recovery)
Temperature Coefficient	±0.05%/°C

Isolation Voltage (Input to Output)	3000V _{ac}
Operating Temperature.....	-40°C~80°C (Derating from 60°C to 80°C)
Storage Temperature	-40°C~85°C
Cooling	Natural Convection
Humidity	93% RH max. Non Condensing
Switching Frequency	30~70kHz Typical
MTBF	MIL-HDBK-217F, GB, 25°C/115V _{ac} 1120khrs max.
Life Time	.56000 hours min.@ 75% load, 40°C
Altitude	5000m
Dimensions	1.555x0.764x0.720 Inches (39.50x19.40x18.30 mm)
	-E: 1.618x0.827x0.787 Inches (41.10x21.00x20.00 mm)
	-T: 1.950x0.709x0.689 Inches (49.53x18.00x17.5 mm)
Weight	11g, (-E): 30g, (-T): 12g

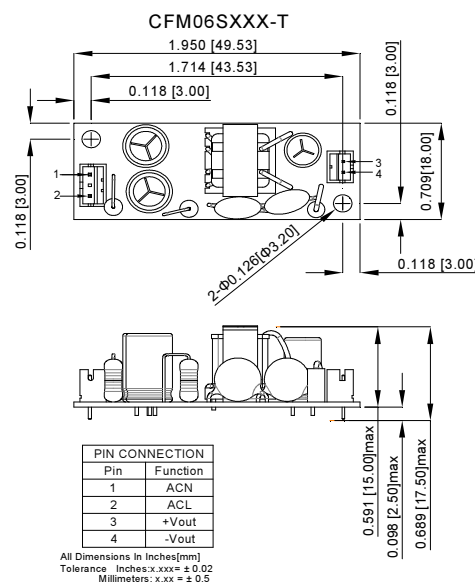
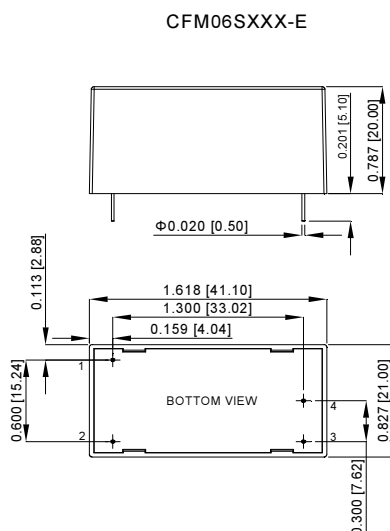
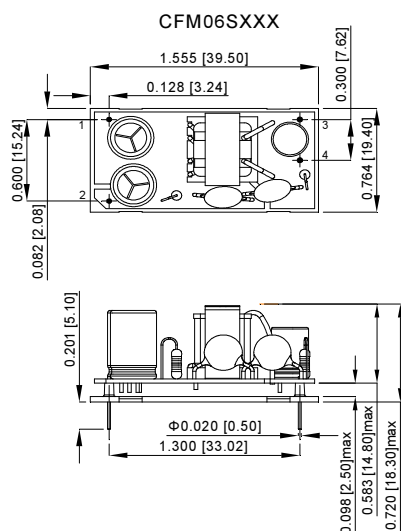


Emission and Immunity..... EN55032 Class B, EN55024, EN61204-3
EN61000-3-2, -3, EN61000-6-1, 2, 3, 4
47 CFR FCC Part 15 Subpart B (Class B)

Safety IEC/EN/UL 62368-1, IEC60950-1

1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for ripple&noise measuring @20MHz BW.
2. Voltage accuracy is set of 100% rated load.
3. Line regulation is measured from high line to low line with full load.
4. Load regulation is measured from 10% to 100% full load.
5. Typical efficiency at 230Vac and full load at 25°C.
6. T Version wafer with JST B3B-PH/B2B-PH and mate with JST housing PH series or equivalent.

Mechanical Specification

Downloaded from Arrow.com.