



2070-4A

Product Features:

- **Fast Replacement Package Design:**
 - Front Panel Finger Screws
 - Front Panel Extraction Handles
 - Attached AC Input Cable
- **Convection Cooled Operation in Rugged Environment**
- **Meets Conducted EMI Class A**
- **Designed for Worldwide Safety Approvals**
- **Conforms to TEES 2009 Spec (and ERRATA No. 1) for MODEL 2070-4 POWER SUPPLY MODULE**



Input Specifications:

VOLTAGE	90-135 VAC
FREQUENCY	47-63Hz
INRUSH	30A (Max Cold Start)
CURRENT	1.4A (Max. Continuous)
PROTECTION	Single 3A Fuse / 250 VAC rated
LEAKAGE	1000µA Max @ 264 VAC
HOLD-UP	550ms, min after AC FAIL = Low
EFFICIENCY	70% typical
ISOLATION	1414 VAC

General Specifications:

OPERATING TEMP.	0°C ~ +45°C (178W)
STORAGE TEMP.	-40°C ~ +85°C
OPERATING HUMIDITY	10% ~ 90% RH (Non-condensing)
STORAGE HUMIDITY	5% ~ 95% RH (Non-condensing)
COOLING	Convection cooling
VIBRATION	10-55Hz, 2G, 3min period/60 min each(3 axes)
SIZE(Inches)	2.204" x 7.677" x 1.535"
	(56mm x 195mm x 39mm)

Output Specifications:

OUTPUTS	See Output Table for Volts/Amps (min/max)
LINE REGULATION	±2% max, over entire input range
LOAD REGULATION	±5% max, over load range
RIPPLE	±1% p-p, max (20MHz)
SETPOINT ACCURACY	±1%
OVER-CURRENT	110-150% (Auto-Recovery), V1 Only
OVERVOLTAGE PROTECTION	120-150% (recycle input to reset), all outputs

Electromagnetic Compatibility: (TBD)

ELECTROSTATIC DISCHARGE	EN61000-4-2,4KV Contact/ 8KV Air
RADIATED SUSCEPTIBILITY	EN61000-4-3,3V/m(1KHz 80% AM)
EFT	EN61000-4-4,1KV AC Mains
SURGE	EN61000-4-5,2KV(Line to Gnd)1KV(Line to Neutral)
CONDUCTED IMMUNITY	EN61000-4-6, 3V(1KHz 80% AM)
FIELD IMMUNITY	EN61000-4-8,1A/m
VOLTAGE INTERRUPTIONS	EN61000-4-11,95% Reduction for 0.5 Periods

Status & Control signals:

OUTPUT STATUS	DC PWR- Front-panel LEDs for each output
REMOTE SENSE	V1 only, compensates for up to 250 mV drop

Standards & Approvals: (TBD)

BUILT TO MEET	UL/cUL 60950-1 and IEC/EN 60950-1 (approved inside end-user application)
BUILT TO MEET	CE Mark (Low Voltage Directive)

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Output Specifications:

MODEL	V1 OUTPUT			V2 OUTPUT			V3 OUTPUT			V4 OUTPUT		
	VDC	A(Min)	A(Max)	VDC	A(Min)	A(Max)	VDC	A(Min)	A(Max)	VDC	A(Min)	A(Max)
2070-4A	+5V	1.0A	10A	+12V	0.1A	1.0A	-12V	0.1A	0.5A	+12V	0.1A	0.5A

Outline Drawing:

