



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**
- **DSP-centric Design**



INPUT SPECIFICATIONS:

VOLTAGE	90-135 VAC
FREQUENCY	47-63Hz
INRUSH	19A, typical
CURRENT	1.4A (Max. Continuous)
PROTECTION	Single 3A Fuse / 250 VAC rated
LEAKAGE	1000µA Max @ 264 VAC
HOLD-UP	1.4 seconds, typical
EFFICIENCY	>70% typical
ISOLATION	1414 VAC
VOLTAGE OVERSHOOT	<5% (All outputs)

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
OVER VOLTAGE PROTECTION	<130% (All outputs)

STATUS & CONTROL SPECIFICATIONS:

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

GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	-37°C ~ 74°C
STORAGE TEMPERATURE	-40°C ~ +80°C
OPERATING HUMIDITY	10% ~ 90% RH (non-condensing)
STORAGE HUMIDITY	5% ~ 95% RH (non-condensing)
COOLING	Convection Cooled
VIBRATION	10-55Hz, 2G, 3min period/60min each (3 axes)
SHOCK	20G Peak Acceleration
RELIABILITY (MTBF)	>545k hrs (25°C); >281k hrs (50°C)
SIZE (INCHES)	8.93" x 3.19" x 6.97"

EMISSIONS:

EMISSIONS	EN55022 Level A (Conducted)
ELECTROSTATIC DISCHARGE	EN61000-4-2, 4kV Contact / 8kV Air
RADIATED SUSCEPTIBILITY	EN61000-4-3, 26-1000MHz, 10V/M, 80%AM
EFT/BURSTS	EN61000-4-4, 2kV
SURGES	EN61000-4-5, 2kV Earth, 1kV Line-Line
CONDUCTED IMMUNITY	EN61000-4-6, 0.15-800MHz, 10V 80%
VOLTAGE DIPS	EN61000-4-10, 95% Dip & 10ms, 30% Dip & 500ms
VOLTAGE INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms
FLUCTUATIONS & FLICKER	EN61000-3-3

SAFETY STANDARDS:

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)
CALTRANS	Conforms to TEES 2009; ERRATA No. 1 (1-21-2010)



OUTPUT MODELS:

Output Models	V1 Output			V2 Output			V3 Output			V4 Output		
	VDC	A (Min)	A (Max)	VDC	A (Min)	A (Max)	VDC	Io (Min)	Io (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:

