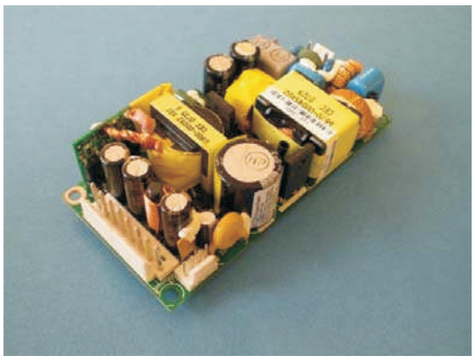
ENGLISH

Datasheet



Features:

- "2x4" Footprint
- 160Watt Power Factor Corrected
- 90% Efficiency
- Medically Approved
- Universal Input
- Protections: Short Circuit/Overload/Over Voltage
- 3 Years Warranty

RS stock number

Output Rating	V1	Without Air Flow	With Air Flow	V1 (Ripple)	V2	Without Air Flow	With Air Flow	V2 (Ripple)
670-0595	5V	14A	20A	50mV	12V	0.5A	1A	240mv
670-0605	12V	8.3A	13.3A	120mV	12V	0.5A	1A	240mv
670-0608	24V	4.2A	6.66A	240mV	12V	0.5A	1A	240mv
670-0602	48V	2.1A	3.33A	480mV	12V	0.5A	1A	240mv

Input Requirements	
AC Input Voltage	90-264 VAC
DC Input Voltage	170-370VDC
Input Frequency	50/60Hz
Input current	2.5A 90 VAC
Inrush current	No Damage to components, 230VAC Cold Start
Efficiency	90% Full Load
Power factor	0.98%

Output Requirements		
Voltage Range	5-48 VDC	See Model Number Table
Set-point Accuracy	1%	Main Output (V1)
Adjustment Range	5%	Main Output (V1)
Line Regulation	0.10%	90VAC-264VAC
Load Regulation	1(V1) 15(V2) %	V2 is the auxiliary output, measured with 50% load on unmeasured output
Cross Regulation	1(V1) 15(V2) %	V2 is the auxiliary output, measured from 0 to 100% load on non-measured output, 50% load on measured output
Ripple & Noise	1(V1)%	20MHz bandwidth
Transient Response	10%	50%load charge, recover to reg, Band within Imsec
Startup Delay	1sec	
Holdup Time	16msec	90VAC, 160W Load
Minimum Load	0A	
Temperature Drift	0.25mV/C	

Safety Aprovals / Standards	EN60950, IEC60950, UL/c-UL60950, EN60601-1, IEC60601, UL/Cul 60601-1

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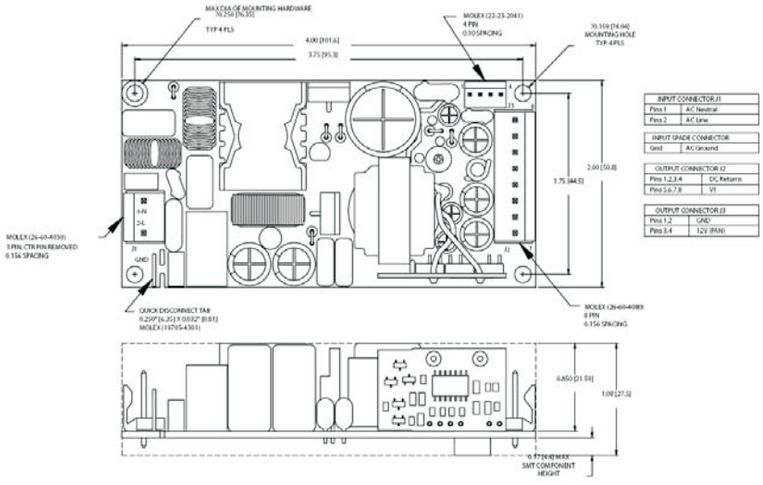
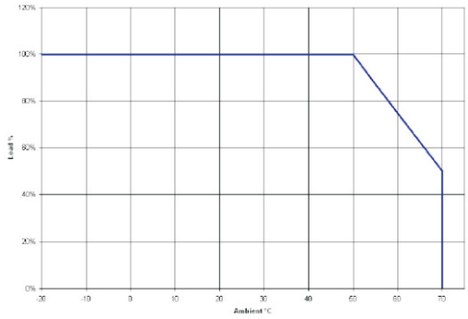
Environment Requirements	
Operating Temp.	-20 to 70C 50% of Max Power at 70C Linearity de-rated above 50C
Storage Temp.	-20 to 85
Humidity	95% Non-Condensing
Shock	30 G Half Sine 6axis
Vibration	2G 5-500Hz, 3axis
Cooling	200LFM above 100W power
MTBF	100,000hrs Convection 300,000 hrs Cool Air Flow

EMC Requirements	
Conducted EMI	Class B
Radiated EMI	Class B
ESD	8KV air-discharge, 6KV contact
Radiated Field	3V/m, 80-2500MHz, 1kHz 80% AM modulation. Dwell time is 3sec for 2Hz modulation Dwell time is 1sec for 1kHz modulation
EFT	2kV on AC and DC 5kHz repetition 1kV on I/O
Surge	2kV CM, 1kV DM (min 5surges at each angle)
Conducted RF Immunity	3Vrms, 0.15-80Mhz, 1kHz/2Hz 80% AM Modulation
Magnetic Field Immunity	50 and 60 Hz, 3A/m
Dips & Interruptions	Dip to 40% for 5cycles (100msec) Dip to 70% for 25cycles (500msec) Dropout to 5% for 10msec Interrupts >95% for 5sec

Protections		
Input UVLO	80VAC	Auto Recovery
Input Fuse	3	Line & Neutral Lines
Over Current	110-130% max	Auto Recovery
Over Voltage		Redundant Protection for open Feedback
Short Circuit		Auto Recovery
Over Temperature		Auto Recovery
Isolation In/Out	4000 VAC	For one minute
Isolation In/Gnd	100VAC	For one minute
Isolation V1/V2	500VDC	For one minute
Leakage Current	110/200µA	115/230VAC





Weight: 5.7oz Molex Mates: 3069; 2139; 6442; 7674; 7675; 41695; 41815