

Specifications (measured @ Ta= 25°C, nom. Vin (115/230VAC), full load and after warm-up)

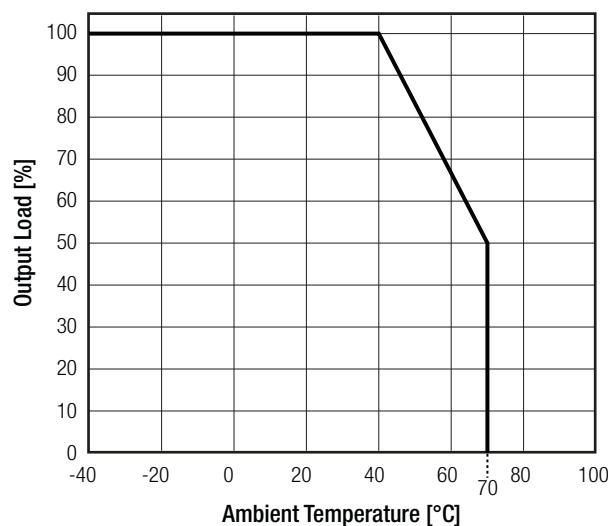
PROTECTIONS			
Parameter	Type	Value	
Input fuse ⁽⁵⁾	internal	T5A, slow blow	
Short Circuit Protection (SCP)		continuous, hiccup and auto recovery	
Over Voltage Protection (OVP)		115% - 150% of rated output voltage, continuous, hiccup and auto recovery	
Over Current Protection (OCP)		105% - 150% of rated output voltage, continuous, hiccup and auto recovery	
Over Temperature Protection (OTP)	detected on Mosfet temperature	+105°C ±5°C auto restart after cooling down to +60°C	
Isolation Voltage	tested for 1 minute	I/P to O/P	3kVAC
		I/P to case	1.5kVAC
		I/P to case	500VAC
Isolation Resistance		100MΩ min.	
Leakage Current	I/P to O/P	0.25mA max.	
	I/P to case	3.5mA max.	

Notes:

Note5: Refer to local safety regulations if input over-current protection is also required

ENVIRONMENTAL		
Parameter	Condition	Value
Operating Temperature Range	full load	-20°C to +40°C
	refer to derating graph	-20°C to +70°C
Temperature Coefficient		0.03%/K
Operating Altitude		5000m
Operating Humidity	non-condensing	20% - 90% RH max.
MTBF	according to MIL-HDBK-217F, G.B.	+25°C 200 x 10 ³ hours

Derating Graph



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SAFETY AND CERTIFICATIONS		
Certificate Type (Safety)	Report / File Number	Standard
Information Technology Equipment, General Requirements for Safety	E196683	CAN/CSA-C22.2 No. 60950-1 UL No. 60950-1
Information Technology Equipment, General Requirements for Safety		EN60950-1:2006 + A2:2013
EAC Safety of Low Voltage Equipment	RU-AT.49.09571	TP TC 004/2011
RoHS2+		RoHS-2011/65/EU + AM-2015/863
EMC Compliance	Condition	Standard / Criterion
Electromagnetic compatibility of multimedia equipment – Emission Requirements		EN55032:2015; Class B
Information technology equipment - Immunity characteristics - Limits and methods of measurement		EN55024:2010 + A1:2015
ESD Electrostatic discharge immunity test	contact $\pm 2.0, 4.0kV$	EN61000-4-2:2009; Criteria A
Radiated, radio-frequency, electromagnetic field immunity test	3V/m	EN61000-4-3:2006 + A2:2010; Criteria A
Fast Transient and Burst Immunity	AC Power Port: $\pm 1.0kV$	EN61000-4-4:2012; Criteria A
Surge Immunity	AC Power Port: L-N $\pm 1.0kV$ L-PE, N-PE $\pm 2.0kV$	EN61000-4-5:2014; Criteria B
Immunity to conducted disturbances, induced by radio-frequency fields	AC Power Port 3V	EN61000-4-6:2014; Criteria A
Power Magnetic Field Immunity	50Hz, 1.0A/m	EN61000-4-8:2010; Criteria A
Voltage Dips and Interruption	Voltage Dips >95% Voltage Dips 30% Voltage Interruptions > 95%	EN61000-4-11:2004; Criteria A EN61000-4-11:2004; Criteria A EN61000-4-11:2004; Criteria C
Limits of Harmonic Current Emissions		EN61000-3-2:2014, Class A
Limits of Voltage Fluctuations & Flicker		EN61000-3-3:2013

DIMENSION AND PHYSICAL CHARACTERISTICS		
Parameter	Type	Value
Material	case	aluminium
Dimension (LxWxH)		160.0 x 98.0 x 38.0mm
Weight		610g typ.
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