

KEY FEATURES

- Din Rail Switching Power Supply
- Universal Input: 90-260 VAC
- Single Output
- 5 VDC to 48 VDC Output
- 3000 VAC Input to Output Isolation
- Ultra Compact Size: 4.53 x 3.54 x 1.59 Inches
- 2-Year Product Warranty

PRELIMINARY

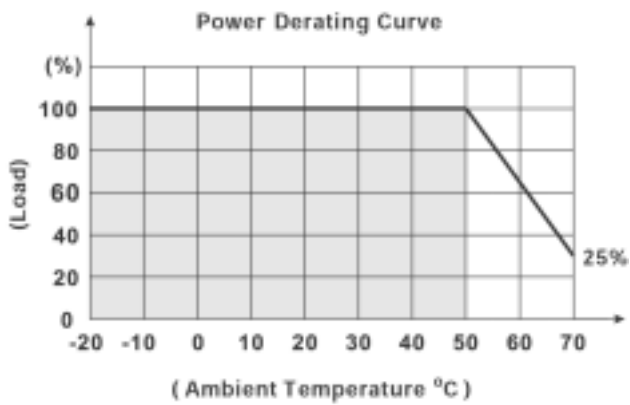
ELECTRICAL SPECIFICATIONS

Model No.		AQS75D-5S	AQS75D-12S	AQS75D-24S	AQS75D-48S
Max output wattage (W)		75W	75W	75W	75W
Input	Voltage	90-260 VAC or 120-370 VDC			
	Frequency (Hz)	47-63 Hz			
	Current (Full load)	2 A max. (115 VAC) / 1 A max. (230 VAC)			
	Inrush current (<2ms)	20 A max. (115 VAC) / 40 A max. (230 VAC)			
	Leakage Current	1.5 mA max.			
Output	Voltage (V.DC.)	5V	12V	24V	48V
	Voltage accuracy	±2%	±2%	±2%	±2%
	Current (A) max	15000	6250	3130	1560
	Line regulation (typ.)	±1%	±1%	±1%	±1%
	Load regulation (10-100%) (typ.)	±1%	±1%	±1%	±1%
	Minimum load	0%	0%	0%	0%
	Maximum capacitive load	470-23,000µF depending on model			
	Ripple & Noise (Vp-p)	50mV max	50mV max	50mV max	50mV max
	Transient Recovery Time	300 µS			
	Efficiency	80%	83%	84%	86%
	Hold-up time	20 ms min.			
Protection	Over current protection	Auto recovery			
	Over voltage protection	Latch off			
	Short circuit protection	Auto recovery			
	Remote Sense	Compensate for 0.5V load drop min.			
Isolation	Voltage (V.AC)	3000V	3000V	3000V	3000V
	Operating temperature	0°C...+50°C			
Environment	Storage temperature	-40°C...+85°C			
	Temperature coefficient	0.02%/°C	0.02%/°C	0.02%/°C	0.02%/°C
	Humidity	95% RH			
	MTBF	Pending			
	Physical	Dimension (L x W x H)	4.53 x 3.54 x 1.59 Inches (115 x 90 x 40.5 mm)		
Case		Plastic			
Weight		g			
Cooling method		Free air convection			
Safety	Agency approvals	Pending			
EMC	EMI (Conducted & Radiated Emission)	Pending			
	EMS (Noise Immunity)	Pending			

All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

MECHANICAL DIMENSION (Top View)

DERATING



BLOCK DIAGRAM

