



Switch Mode Power Supplies

H.A.L.T. Highly Accelerated Life Testing TESTED



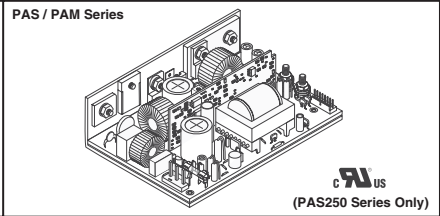
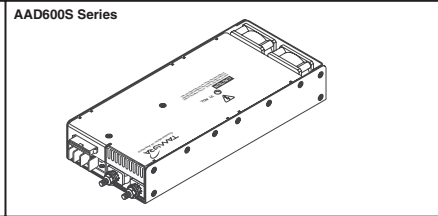
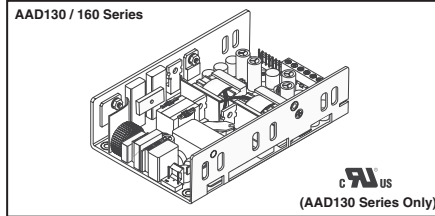
AAD130/160 Series: • **Electrical Specification:** Input Voltage 90-264VAC, 47-63Hz, Load Regulation: ±1% for V1 and V2, ±5% for V3 and V4(AAD130 Series) or ±7% for V3, ±5% for V4(AAD160 Series); Power Factor: >0.98 at full load and 115/230VAC Input; Harmonic Distortion: Meets EN61000-3-2; Surge Withstand: Meets EN61000-4, Efficiency: Up to 88%; MTBF: MIL-STD-HDBK 217E >200,000 hrs. @25°C Highly Accelerated Life Testing • **Features:** Current Sharing, Remote Sense, AC Power Fail, Overshoot/ Undershoot, Overvoltage Protection, Short Circuit Protection, 2 yr. warranty

Load Regulation: ±0.25%; Power Factor: >0.99 at full load at 230VAC input; Surge Withstand: Meets EN61000-4 Level 3 and EN61000-4-5 Level 3, Efficiency: Up to 92%; MTBF: MIL-STD-HDBK 217E >200,000 hrs. @25°C Highly Accelerated Life Testing. • **Features:** Remote Sense, Current Sharing, AC Power Fail: Open Collector, DC OK: Open Collector; Overcurrent/ Short Circuit protection; Overvoltage Protection, Thermal Protection, 2 yr. warranty

PAS Series: • **Electrical Specifications:** Input Voltage: 85-132/180-264VAC, 47-63Hz; Load Regulation: ±0.5%; Harmonic Distortion: Meets EN61000-3-2 for Class A; Surge Withstand: Meets EN61000-4-5 Level 3; Efficiency: Up to 85%;

MTBF: MIL-STD-HDBK 217E >200,000 hrs. @25°C Highly Accelerated Life Testing. • **Features:** Remote Sense, Thermal Shutdown, DC OK: Open Collector, AC Power Fail, Overvoltage and Reverse voltage protection, 2 yr. warranty

PAM Series (Medical Grade): • **Electrical Specifications:** Input Voltage: 85-132/180-264VAC, 47-63Hz; Load Regulation: ±0.5%; Harmonic Distortion: Meets EN61000-3-2 for Class A; Surge Withstand: Meets EN61000-4-5 Level 3; Efficiency: Up to 85%; MTBF: MIL-STD-HDBK 217E >200,000 hrs. @25°C Highly Accelerated Life Testing • **Features:** Remote Sense, Thermal Shutdown, DC OK: Open Collector, AC Power Fail, Overvoltage and Reverse voltage protection 2 yr. warranty



CFM Wattage (Pwr)‡	Convec-tion Wattage§	Current Ratings				Dimensions Inches (mm) H x W x L	Input Power Housing	Input Power Contacts	Signal Housing	Signal Contacts	Digi-Key Part No.	Price Each			Tamura Part No.		
		Voltage VDC	Min. Load (A)	Convection (A) Max. ▲	CFM Air (A) Max. ◊							1	10	25			
AAD130 Series																	
130	80	5	0.5	7	14	1.25 x 3.14 x 5 (31.75 x 79.76 x 127)	WM2112-ND	WM2300-NDΔ	WM2006-ND	WM1114-NDΔ	MT7334-ND	118.80	108.00	100.80	AAD130-3244-A		
		3.3	0.5	8	16												
		12	0.1	0.75	1.5												
		-12	0.1	0.75	1.5												
		5	0.5	7	14	1.25 x 3.14 x 5 (31.75 x 79.76 x 127)	WM2112-ND	WM2300-NDΔ	WM2006-ND	WM1114-NDΔ	MT7335-ND	118.80	108.00	100.80	AAD130-3255-A		
		3.3	0.5	8	16												
		15	0.1	0.75	1.5												
		-15	0.1	0.75	1.5												
		5	0.5	7	14	1.25 x 3.14 x 5 (31.75 x 79.76 x 127)	WM2112-ND	WM2300-NDΔ	WM2006-ND	WM1114-NDΔ	MT7336-ND	118.80	108.00	100.80	AAD130-3264-A		
		3.3	0.5	8	16												
		24	0.1	0.75	1.5												
		-12	0.1	0.75	1.5												
5	0.5	7	14	1.25 x 3.14 x 5 (31.75 x 79.76 x 127)	WM2112-ND	WM2300-NDΔ	WM2006-ND	WM1114-NDΔ	MT7337-ND	118.80	108.00	100.80	AAD130-3404-A				
12	0.5	2.5	5														
-12	0.1	0.75	1.5														
AAD160 Series																	
160	80	5	1.6	8	16	1.25 x 3.14 x 5 (31.75 x 79.76 x 127)	WM2112-ND	WM2300-NDΔ	WM2006-ND	WM1114-NDΔ	MT7338-ND	145.20	132.00	123.20	AAD160-3244-A		
		3.3	1.4	7	14												
		12	0.15	1.5	3												
		-12	0.1	1	2												
		5	1.6	8	16	1.25 x 3.14 x 5 (31.75 x 79.76 x 127)	WM2112-ND	WM2300-NDΔ	WM2006-ND	WM1114-NDΔ	MT7339-ND	133.65	121.50	113.40	AAD160-3264-A		
		3.3	1.4	7	14												
		24	0.875	0.87	1.75												
		-12	0.1	1	2												
		5	1.6	8	16	1.25 x 3.14 x 5 (31.75 x 79.76 x 127)	WM2112-ND	WM2300-NDΔ	WM2006-ND	WM1114-NDΔ	MT7340-ND	145.20	132.00	123.20	AAD160-3404-A		
		12	0.6	3	6												
		-12	0.1	1	2												
AAD600S Series																	
600	—	12	—	—	42	1.59 x 4 x 9 (40.39 x 101.6 x 228.6)	—	—	455-1908-ND	455-1909-1-ND†	MT7341-ND	387.75	352.50	329.00	AAD600S-4-P		
		5★	—	—	1												
		24	—	—	23	1.59 x 4 x 9 (40.39 x 101.6 x 228.6)	—	—	455-1908-ND	455-1909-1-ND†	MT7342-ND	387.75	352.50	329.00	AAD600S-6-P		
		5★	—	—	1												
		48	—	—	12.5	1.59 x 4 x 9 (40.39 x 101.6 x 228.6)	—	—	455-1908-ND	455-1909-1-ND†	MT7343-ND	387.75	352.50	329.00	AAD600S-9-P		
		5★	—	—	1												
PAS Series																	
150	80	12	—	6.25	12.5	1.5 x 4 x 6 (38.1 x 101.6 x 152.4)	WM2114-ND	WM2300-NDΔ	WM2006-ND	WM1114-NDΔ	MT7328-ND	95.70	87.00	81.20	PAS150-4		
		24	—	3.25	6.5												
		48	—	1.75	3.5												
		250	130	12	—	10.5	21	1.5 x 4 x 7 (38.1 x 101.6 x 177.8)	WM2114-ND	WM2300-NDΔ	WM2006-ND	WM1114-NDΔ	MT7331-ND	138.60	126.00	117.60	PAS250-4
				24	—	5.25	10.5										
				48	—	2.75	5.5										
PAM Series (Medical Grade)																	
150	80	12	—	6.25	12.5	1.5 x 4 x 6 (38.1 x 101.6 x 152.4)	WM2114-ND	WM2300-NDΔ	WM2006-ND	WM1114-NDΔ	MT7321-ND	125.40	114.00	106.40	PAM150-4		
		24	—	3.25	6.5												
		48	—	1.75	3.5												
		250	130	12	—	10.5	21	1.5 x 4 x 7 (38.1 x 101.6 x 177.8)	WM2114-ND	WM2300-NDΔ	WM2006-ND	WM1114-NDΔ	MT7324-ND	148.50	135.00	126.00	PAM250-4
				15	—	8.5	17										
				24	—	5.25	10.5										
48	—	2.75	5.5							148.50	135.00	126.00	PAM250-6				
											148.50	135.00	126.00	PAM250-9			

‡ CFM, forced air wattage rating of the power supply. ▲ Convection rating is 50% of CFM rating the combined amperage ratings not to exceed maximum rated convection wattage of the power supply ◊ The combined amperage ratings should not exceed maximum rated wattage of the power supply. § Convection wattage of the power supply. † For Tape and Reel part number, change 1-ND to 2-ND. Δ Crimp tool for connector contacts: WM999-ND ★ Standby Power voltage available as long as AC input is present.



Mating Connector, Contact and Crimp Tool for AAD600S Series



Description	Digi-Key Part No.	Pricing			Digi-Key Part No.	Tape & Reel Pricing	JST Part No.
		10	100	500			
10-Position 2.5mm Disconnectable Crimp Style SM Connector	455-1908-ND	2.58	21.50	85.98	—	—	SMR-10V-N
22-28 AWG Tin Plated Phosphor Bronze Crimp Pin Contact	455-1909-1-ND†	.54	4.53	18.11	—	27.17/M	SYM-001T-P0.6
Crimp Tool with Die for 22-28 AWG Contacts (for JST contacts only)	455-1910-ND	419.19/1			—	—	WC-121

† Cut Tape

More Product Available Online: www.digikey.com

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(T083) 2341