



Switch Mode Power Supplies

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



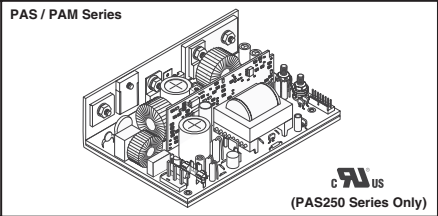
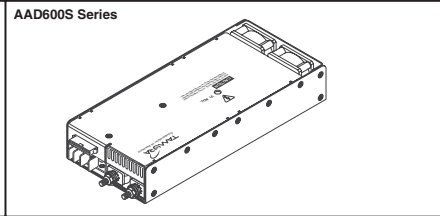
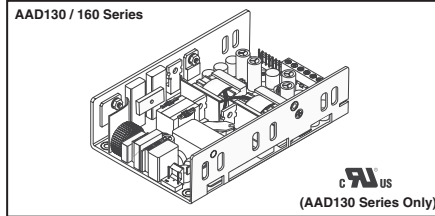
AAD130/160 Series: • **Electrical Specification:** Input Voltage 90-264VAC, 47-63Hz, Load Regulation: ±1% for V1 and V2, ±5% for V3 and V4(AAD130 Series) or ±7% for V3, ±5% for V4(AAD160 Series); Power Factor: >0.98 at full load and 115/230VAC Input; Harmonic Distortion: Meets EN61000-3-2; Surge Withstand: 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-ND▲	WM2006-ND	WM1114-ND▲	MT7334-ND	132.00	120.00	112.00	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																														
		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-ND▲	WM2006-ND	WM1114-ND▲	MT7335-ND	132.00	120.00	112.00	AAD130-3255-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-ND▲	WM2006-ND	WM1114-ND▲	MT7336-ND	132.00	120.00	112.00	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-ND▲	WM2006-ND	WM1114-ND▲	MT7337-ND	132.00	120.00	112.00	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-ND▲	WM2006-ND	WM1114-ND▲	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-ND▲	WM2006-ND	WM1114-ND▲	MT7339-ND	145.20	132.00	123.20	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-ND▲	WM2006-ND	WM1114-ND▲	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-ND▲	WM2006-ND	WM1114-ND▲	MT7328-ND	95.70	87.00	81.20										PAS150-4										
		24	—	3.25	6.5	MT7329-ND										95.70	87.00	81.20	PAS150-6																
		48	—	1.75	3.5															MT7330-ND	95.70	87.00	81.20	PAS150-9											
		12	—	10.5	21																					MT7331-ND	138.60	126.00	117.60	PAS250-4					
		24	—	5.25	10.5																										MT7332-ND	138.60	126.00	117.60	PAS250-6
		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-ND▲	WM2006-ND	WM1114-ND▲	MT7321-ND	125.40	114.00	106.40	PAM150-4																				
		24	—	3.25	6.5											MT7322-ND	125.40	114.00	106.40	PAM150-6															
		48	—	1.75	3.5																MT7323-ND	125.40	114.00	106.40	PAM150-9										
		12	—	10.5	21																					MT7324-ND	148.50	135.00	126.00	PAM250-4					
		15	—	8.5	17																										MT7325-ND	148.50	135.00	126.00	PAM250-5
		24	—	5.25	10.5																														
48	—	2.75	5.5	MT7327-ND	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. ▲ 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	2.71	22.57	90.28	—	—	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	440.15/1			—	—	WC-121

† Cut Tape

More Product Available Online: www.digikey.com

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