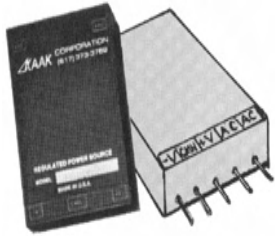


AAK Corporation - B & S Series - PC Board Mount Power Supplies



New higher power triple MT series and T series are perfect for uP's process controllers, shift registers, RAM and ROM arrays. The common outputs are floating when complete isolation is required. Both plug-in for PC Board applications and chassis mounts on 7 terminal pin

General Specifications

Input Voltage	105 to 132 VAC @ 47-420 Hz
Output Voltage Accuracy	1% Fixed
Operating Temperature	-25°C to 71°C
Temperature Coefficient	0.015% per °C
Storage Temperature	-55°C to 85°C
Input Isolation	50 MOhms
100% current fold-back on all 1 amp or greater single output models current limiting on all dual output models from +/- V to common.	

Case 3 Connecting Instructions

Pin	Dual	Single	
	2.0" & 2.2"	2.0"	2.2"
1	AC In	AC In	AC In
2	AC In	AC In	AC In
3	-Vdc Out	-Vdc Out	N.C.
4	Common	N.C.	-Vdc Out
5	+Vdc Out	+Vdc Out	+Vdc Out

PC Board Mount Budget-Price

Model	Output		Regulation		PARD (mV rms)	Case
	Voltage (Vdc)	Current (mA)	Line %	Load %		
Single Output						
BM(5 to 6).5	5 to 6	500	.1	.2	2	3A
BM(5 to 6)1	5 to 6	100	.1	.2	2	3B
Dual Output						
BM(12 to 15).1	+/-12 to +/-15	+/-100	.1	.1	1	3A
BM(12 to 15).2	+/-12 to +/-15	+/-200	.1	.1	1	3B

PC Board Mount Standard (S) Series

Model	Output		Regulation		PARD (mV rms)	Case
	Voltage (VDC)	Current (mA)	Line %	Load %		
Single Output						
SM(2 to 4).5	2 to 4	500	.05	.05	1	3A
SM(2 to 4)1	2 to 4	1000	.05	.1	1	3B
SM(2 to 4)2	2 to 4	2000	.05	.2	2	3C
SM(5 to 6).3	5 to 6	300	.05	.05	1	3A
SM(5 to 6).5	5 to 6	500	.05	.1	1	3A
SM(5 to 6)1	5 to 6	1000	.05	.1	1	3B
SM(5 to 6)1.5	5 to 6	1500	.05	.15	1.5	3C
SM(5 to 6)2	5 to 6	2000	.08	.15	2	3C
SM(5 to 6)2.5	5 to 6	2500	.1	.2	2	3D
SM(5 to 6)3	5 to 6	3000	.1	.2	2.5	3D
SM(5 to 6)3.5	5 to 6	3500	.1	.2	2.5	3D
SM(5 to 6)4	5 to 6	4000	.15	.25	2.5	3E
SM(7 to 11).2	7 to 11	200	.05	.05	1	3A
SM(7 to 11).4	7 to 11	400	.05	.05	1	3A
SM(7 to 11).6	7 to 11	600	.05	.1	1	3B
SM(7 to 11).8	7 to 11	800	.05	.1	1	3B
SM(7 to 11)1	7 to 11	1000	.05	.1	1	3C
SM(7 to 11)1.5	7 to 11	1500	.05	.15	1.5	3C
SM(7 to 11)2	7 to 11	2000	.08	.15	2	3D
SM(7 to 11)2.5	7 to 11	2500	.1	.2	2	3D
SM(7 to 11)3	7 to 11	3000	.1	.2	2.5	3D

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PC Board Mount Standard (S) Series - Single Output - Continued

Model	Output		Regulation		PARD (mV rms)	Case
	Voltage (VDC)	Current (mA)	Line %	Load %		
SM(12 to 14).2	12 to 14	200	.05	.05	1	3A
SM(12 to 14).4	12 to 14	400	.05	.05	1	3B
SM(12 to 14).6	12 to 14	600	.05	.1	1	3B
SM(12 to 14).8	12 to 14	800	.05	.1	1	3C
SM(12 to 14)1	12 to 14	1000	.05	.1	1	3D
SM(12 to 14)1.5	12 to 14	1500	.05	.15	1.5	3D
SM(12 to 14)2	12 to 14	2000	.08	.15	2	3D
SM(12 to 14)2.5	12 to 14	2500	.1	.2	2	3D
SM(15 to 17).2	15 to 17	200	.05	.05	1	3A
SM(15 to 17).4	15 to 17	400	.05	.05	1	3B
SM(15 to 17).6	15 to 17	600	.05	.05	1	3C
SM(15 to 17).8	15 to 17	800	.05	.1	1	3C
SM(15 to 17)1	15 to 17	1000	.05	.1	1	3D
SM(15 to 17)1.5	15 to 17	1500	.05	.15	1.5	3D
SM(15 to 17)2	15 to 17	2000	.08	.15	2	3D

PC Board Mount Standard (S) Series - Single Output

Model	Output		Regulation		PARD (mV rms)	Case
	Voltage (VDC)	Current (mA)	Line %	Load %		
SM(18 to 23).2	18 to 23	200	.05	.08	1	3A
SM(18 to 23).4	18 to 23	400	.05	.08	1	3B
SM(18 to 23).6	18 to 23	600	.05	.08	1	3C
SM(18 to 23).8	18 to 23	800	.05	.08	1	3D
SM(18 to 23)1	18 to 23	1000	.05	.1	1	3D
SM(18 to 23)1.5	18 to 23	1500	.05	.1	1.5	3D
SM(24 to 29).1	24 to 29	100	.05	.08	1	3A
SM(24 to 29).2	24 to 29	200	.05	.08	1	3B
SM(24 to 29).4	24 to 29	400	.05	.08	1	3C
SM(24 to 29).6	24 to 29	600	.05	.08	1	3D
SM(24 to 29).8	24 to 29	800	.05	.08	1	3D
SM(24 to 29)1	24 to 29	1000	.05	.1	1	3D
SM(30 to 35).1	30 to 35	100	.05	.08	1	3A
SM(30 to 35).2	30 to 35	200	.05	.08	1	3B
SM(30 to 35).4	30 to 35	400	.05	.08	1	3C
SM(30 to 35).6	30 to 35	600	.05	.08	1	3D
SM(30 to 35).8	30 to 35	800	.05	.08	1	3D
SM(30 to 35)1	30 to 35	1000	.05	.1	1.5	3D
SM(36 to 41).1	36 to 41	100	.05	.08	1	3A
SM(36 to 41).2	36 to 41	200	.05	.08	1	3B
SM(36 to 41).4	36 to 41	400	.05	.08	1	3C
SM(36 to 41).6	36 to 41	600	.05	.08	1	3D
SM(36 to 41).8	36 to 41	800	.05	.08	1	3D
SM(36 to 41)1	36 to 41	900	.05	.1	1.5	3E
SM(42 to 48).1	42 to 48	100	.05	.08	1	3A
SM(42 to 48).2	42 to 48	200	.05	.08	1	3B
SM(42 to 48).4	42 to 48	400	.05	.08	1	3C
SM(42 to 48).6	42 to 48	600	.05	.08	1	3D
SM(42 to 48).8	42 to 48	800	.05	.08	1	3E

PC Board Mount Standard (S) Series - Single Output - Continued

Model	Output		Regulation		PARD (mV rms)	Case
	Voltage (VDC)	Current (mA)	Line %	Load %		
SD(5 to 10).03	+/-5 to +/-10	30	.02	.02	1	3A
SD(5 to 10).06	+/-5 to +/-10	60	.02	.02	1	3A
SD(5 to 10).1	+/-5 to +/-10	100	.02	.02	1	3A
SD(5 to 10).2	+/-5 to +/-10	200	.02	.02	1	3B
SD(5 to 10).4	+/-5 to +/-10	400	.05	.05	1	3C
SD(5 to 10).6	+/-5 to +/-10	600	.05	.05	1	3C
SD(5 to 10).8	+/-5 to +/-10	800	.05	.08	1	3D
SD(5 to 10).1	+/-5 to +/-10	1000	.05	.1	1	3D
SD(5 to 10).1.5	+/-5 to +/-10	1500	.05	.15	1.5	3D
SD(11 to 18).03	+/-11 to +/-18	30	.02	.02	1	3A
SD(11 to 18).06	+/-11 to +/-18	60	.02	.02	2	3A
SD(11 to 18).1	+/-11 to +/-18	100	.02	.02	1	3A
SD(11 to 18).2	+/-11 to +/-18	200	.05	.05	1	3B
SD(11 to 18).3	+/-11 to +/-18	300	.05	.05	1	3C
SD(11 to 18).4	+/-11 to +/-18	400	.05	.05	1	3D
SD(11 to 18).5	+/-11 to +/-18	500	.05	.1	1	3D
SD(11 to 18).6	+/-11 to +/-18	600	.05	.1	1.5	3D
SD(11 to 18).8	+/-11 to +/-18	800	.05	.15	1.5	3D
SD(11 to 18).1	+/-11 to +/-18	1000	.05	.2	2	3E
SD(19 to 24).03	19 to 24	30	.02	.02	1	3A
SD(19 to 24).06	19 to 24	60	.02	.02		3A
SD(19 to 24).1	19 to 24	100	.02	.02	1	3B
SD(19 to 24).2	19 to 24	200	.05	.05	1	3B
SD(19 to 24).3	19 to 24	300	.05	.05	1	3C
SD(19 to 24).4	19 to 24	400	.05	.05	1	3D
SD(19 to 24).5	19 to 24	500	.05	.1	1	3D
SD(19 to 24).6	19 to 24	600	.05	.1	1.5	3D
SD(19 to 24).8	19 to 24	800	.05	.15	1.5	3E