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AAT Conponents Selection Guide
AAT器件选型指南
2007.10



AAT PRODUCTS FOR CUSTOMERS

AAT公司介绍

AAT科技股份公司創立於1999年3月25日。 擁有由具備10年以上IC相關產業經驗的IC設計師，研究員，及工程師所組成的堅強團隊。創立者在美國及台灣有22年以上的IC設計產業管理者及顧問的工作經驗。

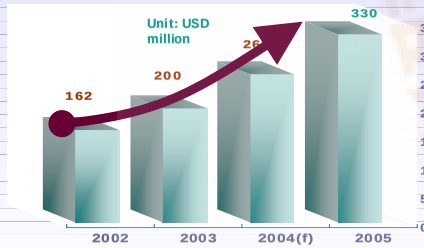
AAT公司产品主要在美国进行设计,在台湾进行生产,同时也为ST、TI、ON、FSC等公司设计IC产品 ,实力雄厚，品质与ST、TI、ON、FSC等公司一致。该公司产品刚刚进入中国，以优良的价格，高品质的产品赢得了广大客户的信赖。目前进入中国推广的产品广泛应用于电源、移动DVD、MP3、MP4、数码像框，微波炉、电磁炉、白色家电、智能家电等电子产品。



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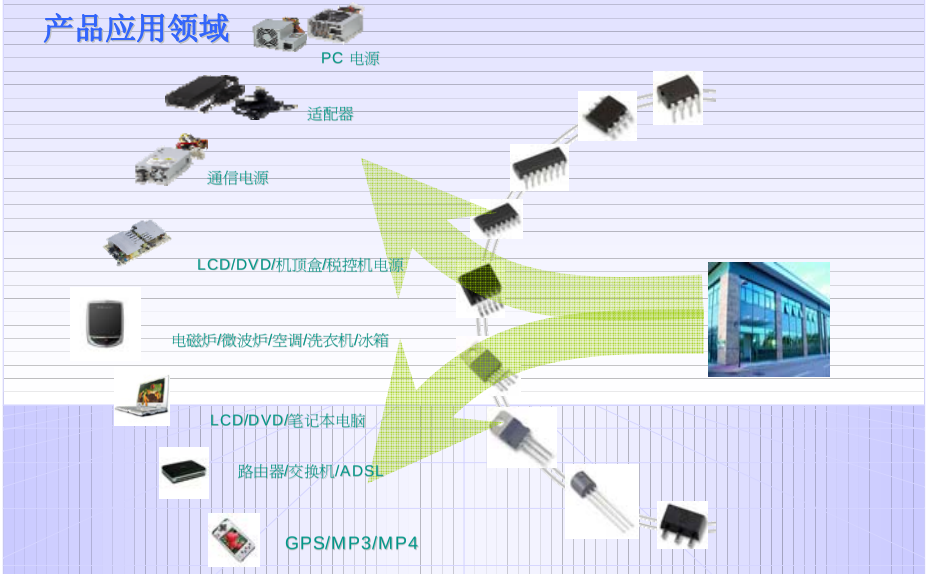
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深圳市联强恒为公司介绍

深圳联强恒为科技有限公司是一家专业从事元器件销售的企业。公司成立于2004年，便与AAT公司合作开发适合于中国的IC产品,为AAT公司在中国大陆的授权总经销商。目前进入中国推广的产品广泛应用于电源、移动DVD、MP3、MP4、数码像框，微波炉、电磁炉、白色家电、智能家电等电子产品。



产品应用领域



产品性能介绍

Mosfet Line-up

Part No.	General Device Name	BVDSS (V)	ID (A)	VGS (V)	Vth (V)	RDS(ON) Typ (Ω) 10V	PKG	Replace Brand	Application
AAT2N60	2N60	600	1.0	± 30	2.0 (min)	4.2	TO-220	IR,KEC,FSC,AUK,ST,WISDOM,FUJI,TOSHIBA	充电器,适配器,开关电源,pc电源,通信电源
AAT2N60	2N60	600	2.0	± 30	2.0 (min)	4.0	TO-220		
AAT4N60	4N60	600	4.0	± 30	2.0 (min)	2.5	TO-220		
AAT5N60	5N60	600	5.0	± 30	2.0 (min)	2.5	TO-220		
AAT6N60	6N60	600	6.0	± 30	2.0 (min)	1.8	TO-220		
AAT7N60	7N60	600	7.0	± 30	2.0 (min)	1.2	TO-220		

Cross-Reference

Part No.	KEC	IR	FSC	ST	Fuji	Toshiba
AAT1N60	KHB1D0N60D/I	IRFR1N60A	FQN(F)1N60C	STD1NK60		
AAT2N60	KHB2D0N60P/F	IRFBC20	FQP(F)2N60	STP3NK60Z		
AAT4N60	KHB4D5N60P/F	IRFPC30	FQP(F)4N60	STP4NK60Z/ZFP	2SK2025 / 2SK2003-01	2SK2750
AAT7N60	KHB7D5N60P1/F1	IRFPC40	FQP(F)7N60	STP8NM60		2SK3667

AAT LDO Regulation Line-up

Part No.	General Device Name	Frequency (KHz)	Vcc (V)	Vout (V)	Io (A)	Toper (℃)	Efficiency	PKG	Replace Brand	Application
AAT7805	7805	---	5~18	5	1	-40~125	70	TO-220	ST/TI/ON/FSC/UTC/BCD/IR/ON	各种领域
AAT7808	7808	---	5~18	8	1	-40~125	73			
AAT7812	7812	----	5~18	12	1	-40~125	75			
AAT EB2575-3.3	2575-3.3	52	1.23~37	3.3	1	-40~125	75	TO-220 TO-252 D2PAK	ON/NS	
AAT EB2575-5	2575-5	52	1.23~37	5	1	-40~125	77			
AAT EB2575-12	2575-12	52	1.23~37	12	1	-40~125	88			
AAT EB2575-ADJ	2575-ADJ	52	1.23~37	ADJ	1	-40~125	77			
AAT EB2576-3.3	2576-3.3	52	1.23~37	3.3	3	-40~125	75			
AAT EB2576-5	2576-5	52	1.23~37	5	3	-40~125	77			
AAT EB2576-12	2576-12	52	1.23~37	12	3	-40~125	88			
AAT EB2576-ADJ	2576-ADJ	52	1.23~37	ADJ	3	-40~125	77			
AAT EB2596-3.3	2596-3.3	150	1.20~37	3.3	3	-40~125	73			
AAT EB2596-5	2596-5	150	1.20~37	5	3	-40~125	80			
AAT EB2596-12	2596-12	150	1.20~37	12	3	-40~125	90			
AAT EB2596-ADJ	2596-ADJ	150	1.20~37	ADJ	3	-40~125	73			

AAT Power regulation Line-up

Part No.	General Device Name	Frequency (KHz)	Vcc (V)	Vout (V)	Io (A)	Toper (℃)	PKG	Replace Brand	Application
AAT78L05	78L05	---	~40V	5	100	0~125	TO-92	ST/TI/ON/FSC/UTC/BCD/IR/ON	电源
AAT431	431C 0.5%,1%	---	Vref~36	2.495	1~100	0~70	TO-92		
AAT431	431AC 0.5%,1%	---	Vref~36	2.495	1~100	0~70	SOT-23		
AAT13003	---	---	---	---	---	---	---		

AAT PWM Line-up

Part No.	---	---	---	--	---	---	PKG	Replace Brand	Application
AAT3842P	---	---	---	--	---	---	DIP-8	ST/TI/ON/FSC/UTC/BCD/IR/ON	电源
AAT494C	---	---	---	--	---	---	DIP-16		
AAT7500	---	---	---	--	---	---	DIP-16		
ACT30A	---	---	---	--	---	---	TO-92	---	
ACT30B	---	---	---	--	---	---	TO-92	---	
LD7550B	---	---	---	--	---	---	DIP-8	---	

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AAT Power Sttokey Line-up

Part No.	General Device Name	Vo Max (V)	Io max (A)	Rjc (℃/W)	Ifsm (A)	Toper (℃)	PKG	Replace Brand	Application
AAT20100CT	20100	100	20	2	150	0~125	TO-220	ST/TI/ON/FSC/UTC/BCD/IR/ON	电源
AAT10100CT	10100	100	10	2	150	0~125	TO-220		
AAT10200CT	10200	200	10	2	150	0~125	TO-220		

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AAT24C Line-up

Part No.	Vcc (V)	Memory (Bytes)	Frequency (KHz)	Icc (mA)	Isb (μA)	PKG	Replace Brand	Application
AAT24C01	1.8~5.5	128*8	400	0.4~3	0.6~18	SOP-8/DIP-8	ATMEL/ISSI/ST/ROHM	智能家电/MP3/MP4/LCD等
AAT24C02	1.8~5.5	256*8	400	0.4~3	0.6~18	SOP-8/DIP-8	ATMEL/ISSI/ST/ROHM	
AAT24C04	1.8~5.5	512*8	400	0.4~3	0.6~18	SOP-8/DIP-8	ATMEL/ISSI/ST/ROHM	
AAT24C08	1.8~5.5	1028*8	400	0.4~3	0.6~18	SOP-8/DIP-8	ATMEL/ISSI/ST/ROHM	
AAT24C16	1.8~5.5	2056*8	400	0.4~3	0.6~18	SOP-8/DIP-8	ATMEL/ISSI/ST/ROHM	
AAT24C32	1.8~5.5	5012*8	400	0.4~3	0.6~18	SOP-8/DIP-8	ATMEL/ISSI/ST/ROHM	
AAT24C64	1.8~5.5	10024*8	400	0.4~3	0.6~18	SOP-8/DIP-8	ATMEL/ISSI/ST/ROHM	

AAT General Line-up

Part No.	Amplifiers Include	Vcc (V)	Icc (mA)	Ptot (mW)	Toper (℃)	Vio (mV)	Iio (nA)	PKG	Replace Brand	Application
LM358	2	16~32	50	500	0~70	2	2	SOP-8/DIP-8	ST/TI/ON	电源/智能家电/MP3/MP4/LCD各种电路
LM393	2	2~36	0.4	710	0~70	1	5	SOP-8/DIP-8	ST/TI/ON	
LM324	4	16~32	0.3	400	0~70	2	2	SOP-14/DIP-14	ST/TI/ON	
LM339	4	2~36	1.1	570	0~70	1	5	SOP-14/DIP-14	ST/TI/ON	

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4.9 x 3.9 x1.6



FLP-8 (SOIC8)

4.4 x 3.0 x1.0



TSSOP-8

3.1 x 3.0 x 1.1



TSOP-6

2.9 x1.3 x1.0



SOT-23

2.9 x 1.6 x 0.7



TSM



D-PAK



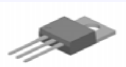
I-PAK



D2-PAK



I2-PAK



TO-220AB



TO-220IS

➢ Unit : mm

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