

上海强微电子科技有限公司

Shanghai Qiangwei Electronic Co., Ltd.

承 认 书

CERTIFICATION

客户名称： Customer Name:			
产品名称：IC Products Name: BRIDGE RECTIFIERS			
产品规格&物料号： Products Range&Number:			
产品型号： Products Type:			
核 准 Approve	复 核 Re-Check	审 核 Check	主 办 Charge
日 期 Date	日 期 Date	日 期 Date	日 期 Date

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IC目录

(A) Voltage Reference

编号	描述	封装	可以替代的产品
TS431	2.5V 三端基准稳压器:用于电源输出的电压基准取样.	TO-92 SOT-89 SOT-23 SOP-8	UTC/L431/A
TS431A			AP/APL431
TS431B			AN/AP431
TS432	1.24V 三端基准稳压器:用于电源输出的电压基准取样.	TO-92 SOT-23 SOT-25	NS/TLV431
TS432A			AP/APL431L

(B) PWM 芯片.

编号	描述	封装	可以替代的产品
TS3842/43B	Dual Channel Voltage Mode PWM Controller 电压模式PWM控制器	DIP-8 SOP-8	TI/UC3842/43B FC/KA3842/43A ST/UC3842/43B
TS38C42/43	BiCMOS Current Mode PWM Controller	DIP-8 SOP-8	TI/UC2842/43B AP/APW38HC42
TS494	Voltage Mode PWM Controller	DIP-16 SOP-16	TI/TL494 FC/KA7500 ST/TL494
TS1451	Dual Channel Voltage Mode PWM Controller	DIP-16 SOP-16	TI/TL1451
TS3404	Voltage Mode PWM Controller	DIP-8 SOP-8	TI/TL5001
TS3405	Voltage Mode PWM Controller	DIP-8 SOP-8	

(C) Amplifier & Comparator (运算放大器)

编号	描述	封装	可以替代的产品
TS358	2 Channel Operation amplifier 运算放大器在电源里常用来做比较器和放大器.358和393是常用的型号.	SOP-8 DIP-8	NS/LM358 ON/LM358 ST/LM358
TS324	4 Channel Operation amplifier	SOP-14 DIP-14	NS/LM324 ON/LM324 ST/LM324
TS393	2 Channel Voltage Comparator	SOP-8 DIP-8	NS/LM393 ON/LM393 ST/LM393
TS339	4 Channel Voltage Comparator	SOP-14 DIP-14	NS/LM339 ON/LM339 ST/LM339
TS4558	2 Channel Operation amplifier	SOP-8 DIP-8	NS/LM358 ON/LM358 ST/LM358

(D) MOSFETS

编号	描述	封装	可以替代的产品
TSM2301	P Channel, - 20V/3A, 130mohm@4.5V	SOT-23	FC/FDN335 AP/APM2300 VISHAY/Si4300
TSM4835	P Channel, - 30V/8A, 30mohm@4.5V	SOP-8	VISHAY/Si4435 AP/APM4836 CET/CET4835
TSM2302	N Channel, 20V/3A, 65mohm@4.5V	SOT-23	FC/FDN338 VISHAY/Si4300
TSM7401	N Channel, 20V/8A, 25mohm@4.5V	SOP-8	IRF7401
TSM3045	N Channel, 30V/12A, 45mohm@10V	TO-252	IRF3045
TSM2N7002	N Channel, 60V/0.12A, 7.5ohm@10V	SOT-23	
TSM2N7000	N Channel, 60V/0.2A, 5ohm@10V	TO-92	
TSM1N60	N Channel, 600V/1A, 8ohm@10V	TO-252	ST/STP1NC60
TSM2N60	N Channel, 600V/2A, 4.4ohm@10V	TO-252	ST/STP2NC60
TSM4N20D	Dual N Channel, 20V/4A, 55mohm@4.5V	TSSOP-8	ST/STC04NF20
TSM7312D	Dual N Channel, 20V/4A, 55mohm@4.5V	SOP-8	IFR7312

TSM7317D	Dual N Channel, 20V/6A, 22mohm@4.5V	SOP-8	IRF7217
TSM6968D	Dual N Channel, 20V/6A, 25mohm@4.5V	TSSOP-8	VISHAY/Si6968
TSM7304D	Dual P Channel, - 20V/4A, 65mohm@4.5V	SOP-8	IFR7304
TSM7328D	Dual P Channel, - 20V/6A, 35mohm@4.5V	SOP-8	IRF7328

(E) Voltage Regulator. (稳压IC)

编号	描述	封装	可以替代的产品
TS7800	3-Termial Fixed Positive Voltage Regulator	TO-220 TO-220F	UTC/LM78xx FC/LM78xx ST/LM78xx PJ/PJ78xx
TS7900	3-Termial Fixed Negative Voltage Regulator	TO-220 TO-220F	UTC/LM79xx FC/LM79xx ST/LM79xx PJ/PJ79xx
TS78M00	3-Termial Medium Current Positive Voltage Regulator	TO-220 TO-252	UTC/LM78Mxx PJ/PJ78Mxx
TS79M00	3-Termial Medium Current Negative Voltage Regulator	TO-220 TO-252	UTC/LM79Mxx PJ/PJ79Mxx
TS78L00	3-Termial Low Current Positive Voltage Regulator	TO-92 SOP-8 SOT-89	UTC78Lxx ON/MC78Lxx
TS79L00	3-Termial Low Current Negative Voltage Regulator	TO-92 SOP-8 SOT-89	UTC79Lxx ON/MC79Lxx
TS317	3-Termial Adjustable Output Positive Voltage Regulator	TO-220 TO-252 TO-92 SOP-8	UTCLM317 ST/LD317 ON/LM317

(F) LDO.

编号	描述	封装	可以替代的产品
TS1117	1A Adjustable or Fixed Output Low Drop Out Voltage Regulator	TO-220 TO-263 TO-252 SOT-223	UTCLD1117/A CM/CM1117 AP/APL1117 AIC1117
TS1086	1.5A Adjustable or Fixed Output Low Drop Out Voltage Regulator	TO-220 TO-263 TO-252 SOT-223	UTC/UZ1086 ST/LD1086 AP/APL1086 AIC1086
TS1085	3A Adjustable or Fixed Output Low Drop Out Voltage Regulator	TO-220 TO-263 TO-252	UTC/UZ1085 ST/LD1085 AP/APL1085 AIC1085
TS1084	5A Adjustable or Fixed Output Low Drop Out Voltage Regulator	TO-220 TO-263 TO-252	UTC/UZ1084 AP/APL1084 CM/CM1084
TS1083	7.5A Adjustable Output Low Drop Out Voltage Regulator	TO-220	Semtech SC1083
TS1082	10A Adjustable Output Low Drop Out Voltage Regulator	TO-220	Semtech SC1082

(G) Ultra LDO.

编号	描述	封装	可以替代的产品
TS2937	0.5A Fixed Output Ultra Low Drop Out Voltage Regulator	TO-220 TO252 SOT-223 SOP-8	NS/LM2937 Micrel/MIC5237
TS2940	1A Fixed Output Ultra Low Drop Out Voltage Regulator	TO-220 TO-263 TO-252 SOT-223	NS/LM2940 Micrel/MIC39100
*TS29150	1.5A Adjustable or Fixed Ultra Low Drop Out Voltage Regulator	TO-220 TO-263	Micrel/MIC29150
*TS29151/2/3	1.5A Adjustable or Fixed Ultra Low Drop Voltage Regulator with Eanble & Error Flag	TO-220-5L TO-263-5L	Micrel/MIC29151

(H) CMOS LDO.

编号	描述	封装	可以替代的产品
TS9000	300mA CMOS LDO	SOT-23 SOT-89 TO-92	AME/AME8800 AIC/AIC1722 RT/RT9161
TS9001	300mA CMOS LDO w/Shutdown & Noise Reduction	SOT-25	AME/AME8801 CM/CM2831 AP/APL5301
TS9002	300mA CMOS LDO w/Shutdown & Power Good	SOT-25	AME/AME8802 RT/RT9162 CM/CM2843
TS9003	300mA CMOS LDO w/Shutdown & Noise Reduction & Power Good	SOT-26	AME/AME8803 RT/RT9162A
TS9004	300mA CMOS Adjustable LDO w/Shutdown & Power Good	SOT-26	AME/AME8804 CM/CM2855 AP/APL5858
TS9005	600mA CMOS LDO	SOT-89 SOT-223	AME/AME8805 CM/CM2860 AP/APL5508
*TS9010	150mA Low Quiescent Current (5uA) CMOS LDO w/Shutdown	SOT-25	Torex/XC62GR
*TS9011	250mA Low Quiescent Current (5uA) CMOS LDO	SOT-23 SOT-89 TO-92	Torex/XC62FP

(I) Switching Regulator.

编号	描述	封装	可以替代的产品
TS34063	1.5A DC to DC Converter	DIP-8 SOP-8	UTC/MC34063 AN/AP34063 PJ/PJ34063
TS2576	3A Simple Switch Regulator (52kHz)	TO-220-5L TO-263-5L	NS/LM2576 NIKO/LM2576
*TS2596	3A Simple Switch Regulator (150kHz)	TO-220-5L TO-263-5L	NS/LM2576 AN/AP1501

(J) Audio Amplifier.

编号	描述	封装	可以替代的产品
*TS2200	5W BTL Audio Amplifier w/DC Voltage Control	SOP-16 DIP-16	AP/APA2050

(K) Reset IC

编号	描述	封装	可以替代的产品
TS810/R	Active High Reset Output	SOT-23	Maxim/MIX810 AME/AME8501
TS823	uP Supervisory With Watchdog and Manual Reset	SOT-25	Maxim/MIX823 AME/AME8510
TS824	uP Supervisory With Watchdog and Complementary Active-High Reset	SOT-25	Maxim/MIX824 AME/AME8520
TS825	uP Supervisory With Manual Reset and Complementary Active-High Reset	SOT-25	Maxim/MIX825 AME/AME8530

(L) Protection IC

编号	描述	封装	可以替代的产品
TS2208/A	Battery Protection Contoller	SOT-25	Ricoh/RT5426 SII/S-8631