

TDSEMIC

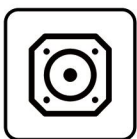
拓電半導體

自主封測 品質把控 售後保障

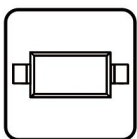
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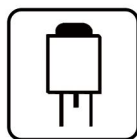
電源管理



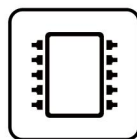
顯示驅動



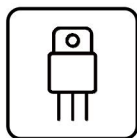
二三極管



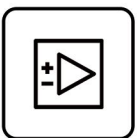
LDO穩壓器



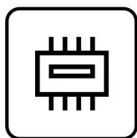
觸摸芯片



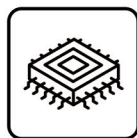
MOS管



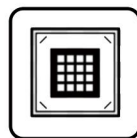
運算放大器



存儲芯片



MCU



串口通信

D3KB100-TD

產品規格說明書

GLASS PASSIVATED BRIDGE RECTIFIERS		REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 3.0 Amperes							
FEATURES ● Glass passivated chip junction ● High case dielectric strength ● High surge current capability Ideal for printed circuit board	D3K Dimensions in inches and (millimeters)								
	MACHANICAL DATA ● Terminal:Plated leads solderable per MIL-STD 202E, Method 208C ● Case:UL-94 Class V-0 recognized Flame Retardant Epoxy ● Polarity:Polarity symbol marked on body ● Mounting position:any								
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Rating at 25℃ ambient temperature unless otherwise specified. Single phase, half wave ,60Hz, resistive or inductive load. For capacitive load, derate current by 20%									
CHARACTERISTICS	SYMBOL	D3KB05	D3KB1	D3KB2	D3KB4	D3KB6	D3KB8	D3KB10	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @ Tc=140℃ (with heatsink) @ Ta=29℃ (without heatsink)	I(AV)	3 1.2							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM	90							A
Maximum Forward Voltage at 1.5A DC	VF	1.05							V
I²t Rating for Fusing (t<8.3ms)	I²t	35							A²s
Maximum Typical Thermal Resistance without heatsink	RθJa	55							℃/W
with heatsink	RθJC	1.5							
without heatsink	RθJL	15							
Maximum DC Reverse Current @ Ta=25℃ at Rated DC Blocking Voltage @ Ta=125℃	IR	10.0 500							μA
Operating Temperature Range	TJ	-55 to +150							℃
Storage Temperature Range	TSTG	-55 to +150							℃
NOTES:The typical data above is for reference only(典型值仅供参考).									

FIG.1-DERATING CURVE OUTPUT RECTIFIED CURRENT

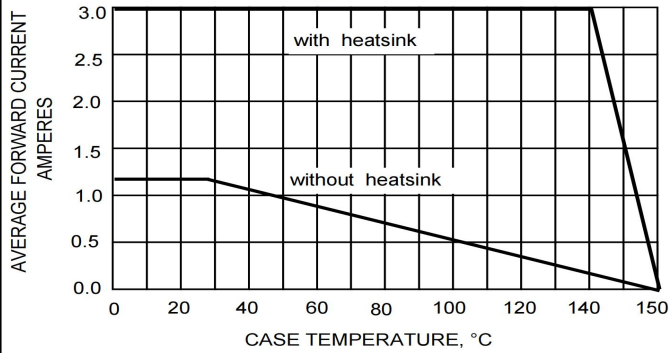


FIG.2-MAXIMUM NON-REPETITIVE SURGE CURRENT

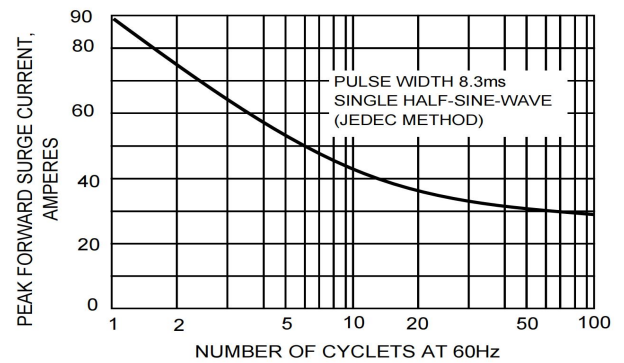


FIG.3-TYPICAL FORWARD CHARACTERISTICS

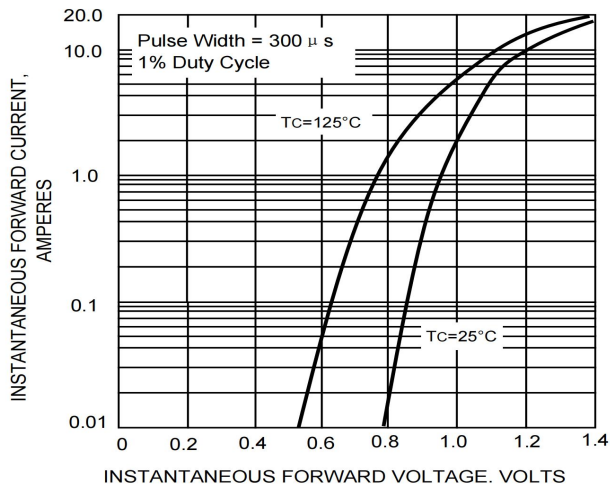
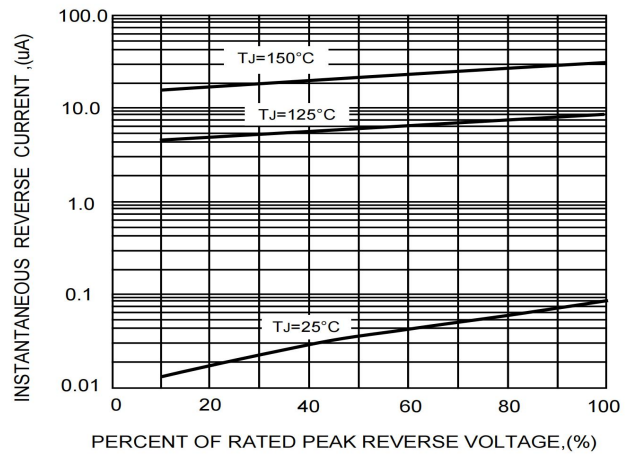


FIG.4-TYPICAL REVERSE CHARACTERISTICS



The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!