

自主封測 品質把控 售後保障

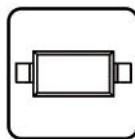
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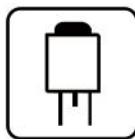
電源管理



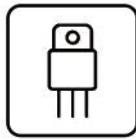
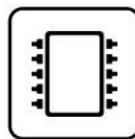
顯示驅動



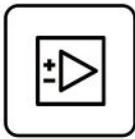
二三極管 LDO穩壓器



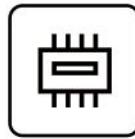
觸摸芯片



MOS管



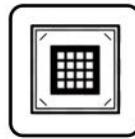
運算放大器



存儲芯片



MCU



串口通信

SS54B-TD

產品規格說明書

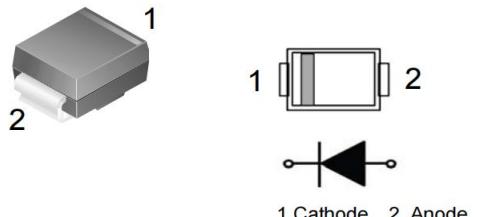


DO-214AA
(SMB)

SS52-SS520

Features:

- Metal silicon junction, majority carrier conduction
- For surface mounted applications
- Low power loss, high efficiency
- Fast switching for high efficiency
- High forward surge current capability
- For use in low voltage, high frequency inverters



1.Cathode 2. Anode

Absolute Maximum Ratings* (TA=25°C Unless otherwise noted)

Ratings at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz resistive or inductive load, for capacitive load, derate by 20 %

Parameter	Symbols	SS52	SS54	SS56	SS58	SS510	SS512	SS515	SS520	Units		
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	20	40	60	80	100	120	150	200	V		
Maximum RMS voltage	V _{RMS}	14	28	42	56	70	84	105	140	V		
Maximum DC Blocking Voltage	V _{DC}	20	40	60	80	100	120	150	200	V		
Maximum Average Forward Rectified Current	I _{F(AV)}	5.0							A			
Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	150							A			
Max Instantaneous Forward Voltage at 5A	V _F	0.55		0.70		0.85		0.95		V		
Maximum DC Reverse Current T _a = 25°C at Rated DC Reverse Voltage T _a = 100°C	I _R	0.3 10		0.2 5		0.1 2		mA				
Typical Junction Capacitance ⁽¹⁾	C _J	500		300								
Typical Thermal Resistance ⁽²⁾	R _{θJA}	45							°C/W			
Operating Junction Temperature Range	T _J	-55 ~ +125			-55 ~ +150			°C				
Storage Temperature Range	T _{stg}	-55 ~ +150							°C			

(1) Measured at 1 MHz and applied reverse voltage of 4 VD.C

(2) P.C.B. mounted with 2.0" X 2.0" (5 X 5 cm) copper pad areas.

Typical Characteristics

FIG. 1- FORWARD CURRENT DERATING CURVE

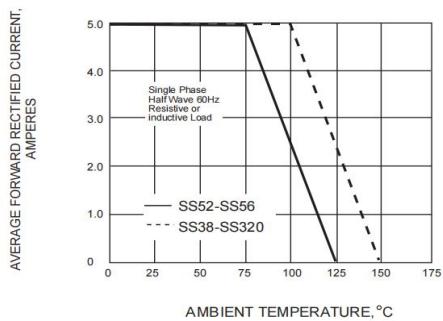


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

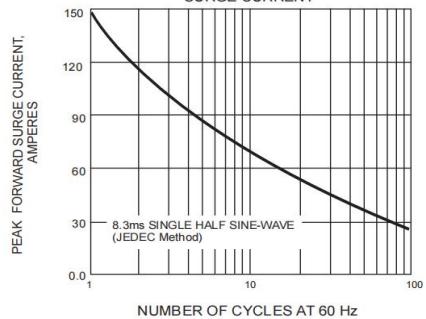


FIG. 3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

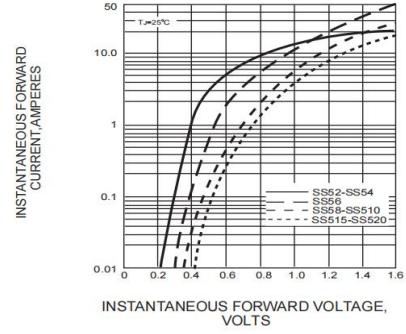


FIG. 4-TYPICAL REVERSE CHARACTERISTICS

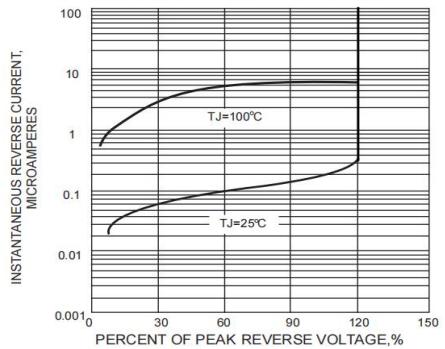


FIG. 5-TYPICAL TRANSIENT THERMAL IMPEDANCE

