Dabiao Electronic

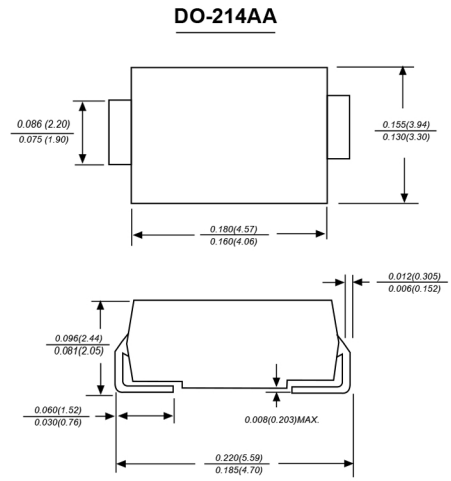
SS52 THRU SS520

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER
Reverse Voltage - 20 to 200 Volts Forward Current - 5.0 Amperes

FEATURES

- Metal-Semiconductor junction with gard ring
- Epitaxial construction
- Low forward voltage drop
- High current capability
- The plastic material carries UL recognition 94V-0
- For use in low vlotage, high frequency inverters, free wheeling, and polarity protection applications

DO-214AA



Dimensions in inches and (millimeters)

MECHANICAL DATA

- ●Case： Molded Plastic
- ●Polarity:Color band denotes cathode
- ●Weight :0.09 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

CHARACTERISTICS	SYMBOL	SS52	SS53	SS54	SS55	SS56	SS58	SS510	SS515	SS520	UNIT
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	20	30	40	50	60	80	100	150	200	V
Maximum RMS Voltage	V_{RMS}	14	21	28	35	42	56	70	105	140	V
Maximum DC Blocking Voltage	V_{DC}	20	30	40	50	60	80	100	150	200	V
Maximum Average Forward Rectified Current 0.375″ （9.5mm) Lead Lengths	$I_{(AV)}$	5.0									A
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	I_{FSM}	100									A
Maximum Forward Voltage at 5.0A DC	V_F	0.55			0.7		0.85		0.95		V
Maximum DC Reverse Current @T_J=25℃ at Rated DC Bolcking Voltage @TJ=100℃	I_R	0.2 20			1.0 50						mA
Typical Junction Capacitance (Note1)	C_J	500			350						pF
Typical Thermal Resistance (Note2)	$R_{\theta JA}$	15			10						℃/W
Operating Temperature Range	T_J	-55 to +150									℃
Storage Temperature Range	T_{STG}	-55 to +150									℃

NOTES: 1.Measured at 1.0 MHz and applied reverse voltage of 4.0V DC

2.Thermal resistance junction to ambient,

FIG. 1 – FORWARD CURRENT DERATING CURVE

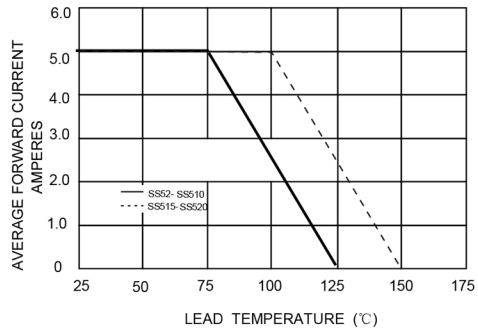


FIG. 2 – MAXIMUM NON-REPETITIVE SURGE CURRENT

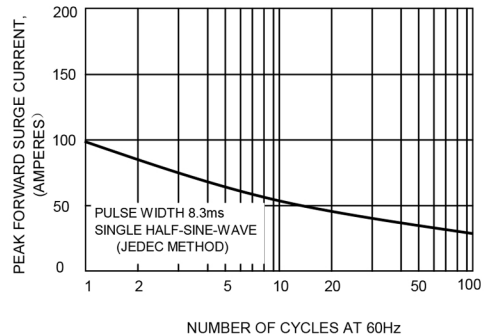


FIG.3 – TYPICAL JUNCTION CAPACITANCE

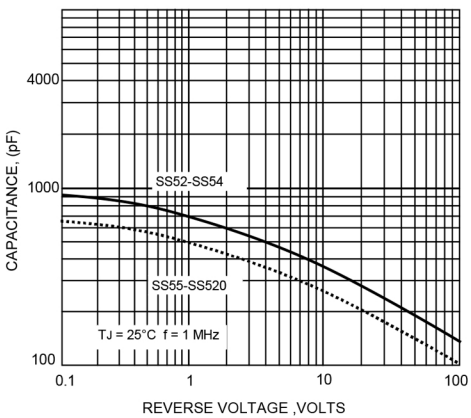


FIG.4-TYPICAL FORWARD CHARACTERISTICS

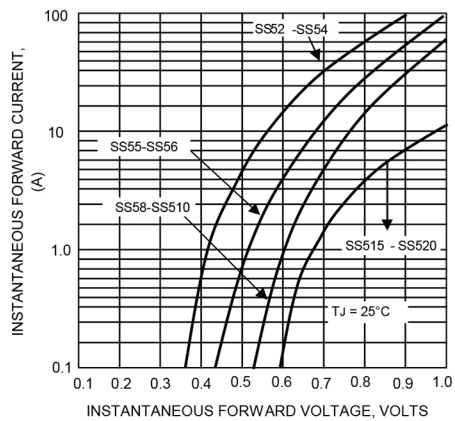
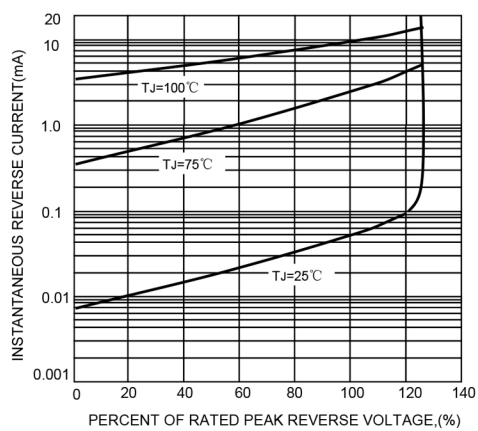


FIG.2-TYPICAL REVER CHARACTERISTICS



单击下面可查看定价，库存，交付和生命周期等信息

>>RCD(达标电子)