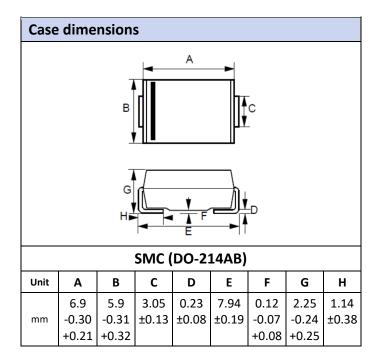


SMD Schottky Barrier Diode

Primary characteristics					
Parameter	Value	Unit			
Maximum Repetitive Peak Reverse Voltage	20 ~ 100	V			
Maximum Average Forward Rectified Current	5.0	А			

Features

- SMC (DO-214AB) case for easy automatic insertion
- Pb-free and RoHS compliant
- Polarity: cathode band or cathode notch
- Marking: type number
- Terminals: solder plated, solderable per MIL-STD-750 Method 2026
- Approximated weight: 0.21 grams



Absolute maximum ratings and general electrical characteristics (T _a = 25°C)										
Parameter		Councile al	Value							
		Symbol	SS52C	SS53C	SS54C	SS55C	SS56C	SS58C	SS510C	Unit
Maximum repetitive peak reverse voltage		V_{RRM}	20	30	40	50	60	80	100	
Maximum RMS voltage		V_{RMS}	14	21	28	35	42	56	70	V
Maximum DC blocking voltage		V_{DC}	20	30	40	50	60	80	100	
Maximum average forward rectified current at T _L		I _(AV)	5.0							
Peak forward surge current 8.3mS single half sine wave superimposed on rated load (JEDEC method)		lfsm	150					А		
Maximum instantaneous forward voltage @3.0A		VF	550 700 850				50	mV		
Maximum DC reverse T _a =25°C		I _R	0.5				mA			
blocking voltage	T _a =100°C	IK	20 10					IIIA		
Typical junction capacitance 1)		CJ	200					рF		
Typical thermal resistance 2)		R _{eJA}	55					°C/W		
Operating junction temperature range		Tj	-65 ~ 125 -65 ~ 150					°C		
Operating storage temperature range		T _{STG}	-65 ~ 1 50						°C	

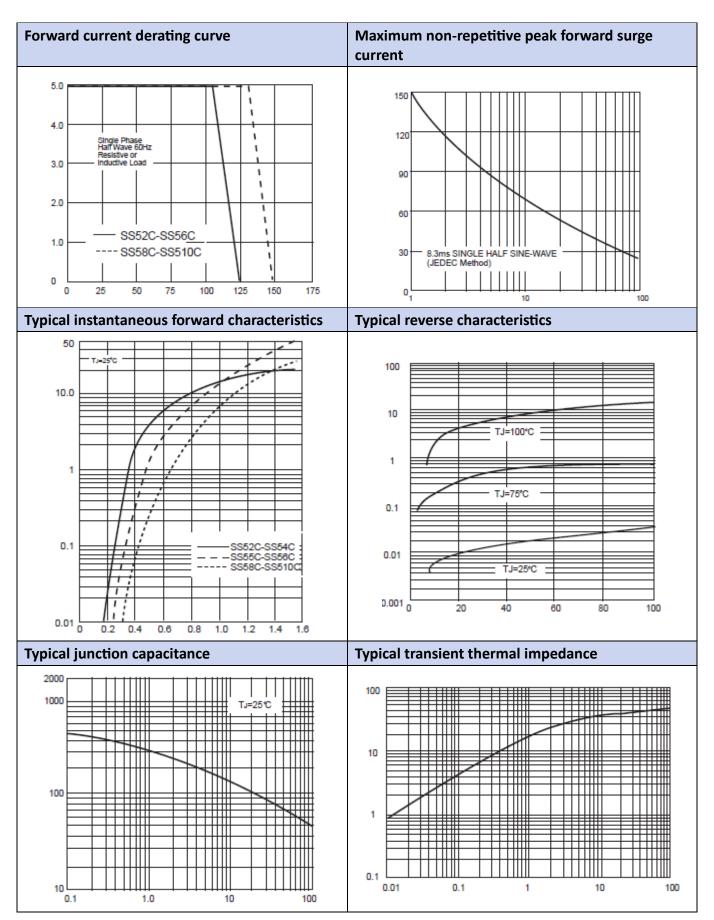
Notes:

- 1) Measured at 1.0MHz and applied reverse voltage of 4.0VDC
- 2) PCB mounted with 2.0"x2.0" (5x5cm) copper pad areas

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SS52C - SS510C Series





Ordering information						
Part Number	Package	Shipping Quantity	Dimensions			
SS52C ~ SS510C	DO-214AB	3 000 pcs / reel				

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