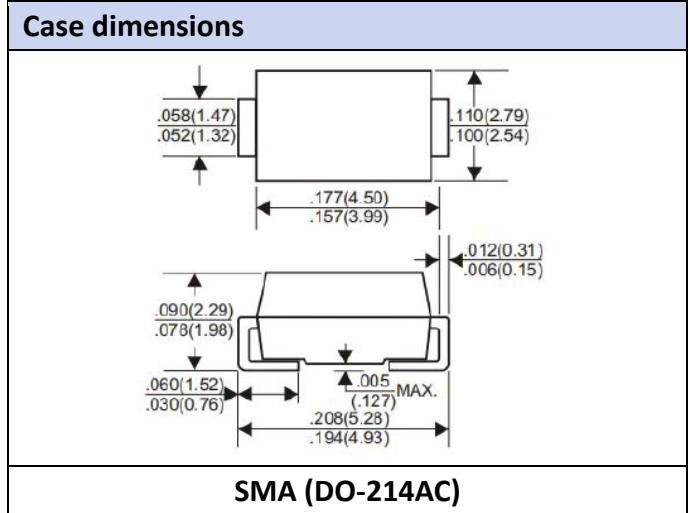


SMD Schottky Barrier Rectifier Diode

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

Features

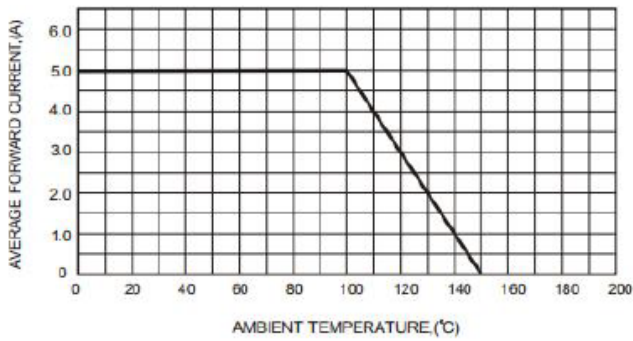
- SMA (DO-214AC) case for easy automatic insertion
- Pb-free and RoHS compliant
- Low forward voltage drop
- High current capability



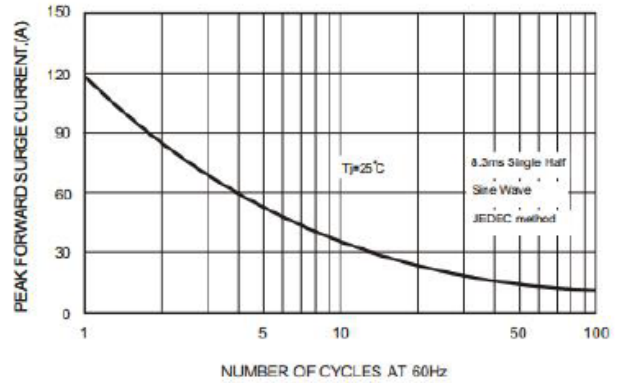
Absolute maximum ratings and general electrical characteristics (T_a = 25°C)

Parameter	Symbol	Value								Unit
		SS52	SS53	SS54	SS55	SS56	SS58	SS59	SS510	
Maximum repetitive peak reverse voltage	V _{RRM}	20	30	40	50	60	80	90	100	V
Maximum RMS voltage	V _{RMS}	14	21	28	35	42	56	63	70	
Maximum DC blocking voltage	V _{DC}	20	30	40	50	60	80	90	100	
Forward Rectified Current	I _F	5.0								A
Peak forward current	I _{FSM}	120								
Maximum forward voltage (I _F =5A)	V _F	550			700		850			mV
Maximum DC reverse current (V _R =V _{RRM})	T _a =25°C	0.1				0.02				mA
	T _a =100°C	5.0				2.0				
Typical junction capacitance (V _R =4V; f=1MHz)	C _J	380								pF
Typical thermal resistance	R _{θJA}	10								°C/W
Operating junction temperature range	T _J	-55 ~ 150								°C
Operating storage temperature range	T _{STG}	-55 ~ 150								°C

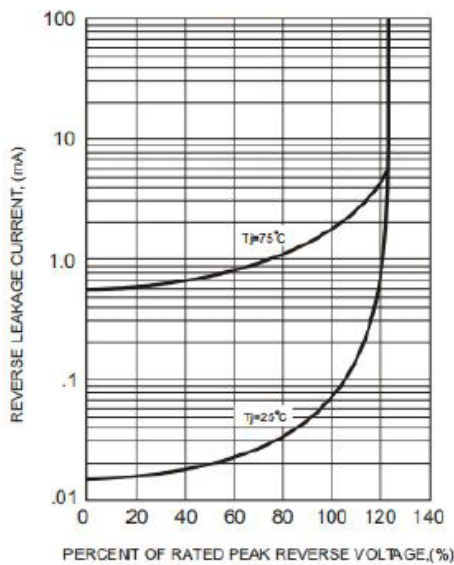
Typical forward current derating curve



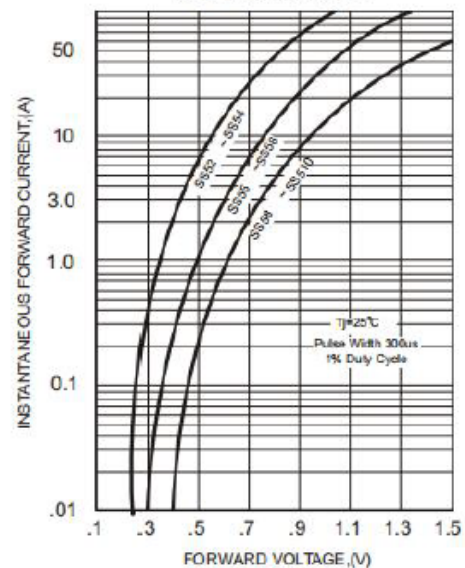
Typical maximum non-repetitive peak forward surge current



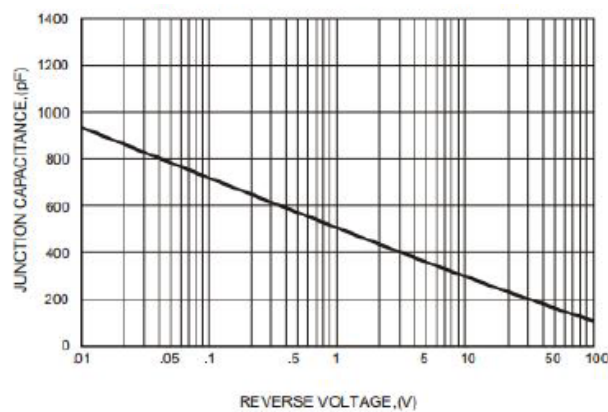
Typical reverse characteristics



Typical forward characteristics



Typical junction capacitance



Ordering information			
Part Number	Package	Shipping Quantity	Dimensions
SS52 ~ SS510	SMA DO-214AC	3 000 pcs / reel	---

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