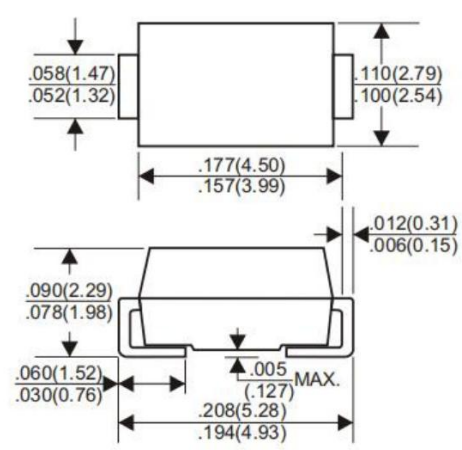


SMA Schottky Barrier Rectifier Diode

Primary characteristics		
Parameter	Value	Unit
Peak reverse voltage	20~100	V
Forward rectified current	1.0	A

Features

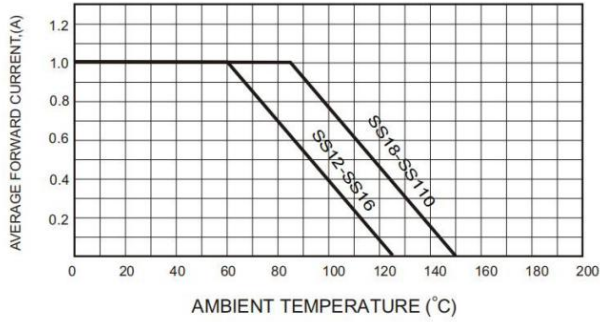
- Low forward voltage drop
- High current capability
- Surface mount device

Case dimensions
 Dimensions in inches and (millimeters)
DO-214AC(SMA)

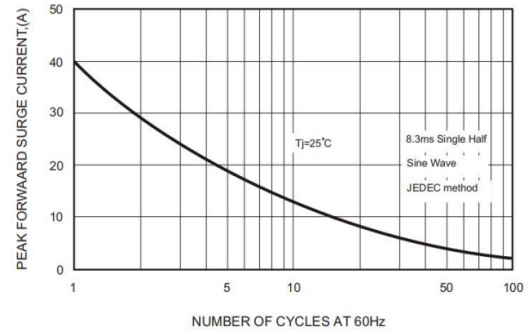
Maximum ratings and electrical characteristics (T _A = 25°C unless otherwise noted)											
Parameter		Symbol	Value							Unit	
			SS12	SS13	SS14	SS15	SS16	SS18	SS19		SS110
Peak reverse voltage		V _{RRM}	20	30	40	50	60	80	90	100	V
DC reverse voltage		V _R	20	30	40	50	60	80	90	100	
RMS reverse voltage		V _{R(RMS)}	14	21	28	35	42	56	63	70	
Forward rectified current		I _F	1							A	
Peak surge current		I _{FSM}	30							A	
Thermal resistance J-A		R _{θJA}	50							°C/W	
Junction temperature		T _J	150							°C	
Storage temperature		T _{STG}	-65 to +125							°C	
Forward voltage	@I _F =1A	V _F	0.55			0.70		0.85		V	
Reverse current	@V _R =V _{RRM} , T _A = 25°C	I _R	0.2							mA	
	@V _R =V _{RRM} , T _A = 100°C		10								
Diode capacitance	@V _R =4V, f=1MHz	C _D	110							pF	

Typical characteristic curve

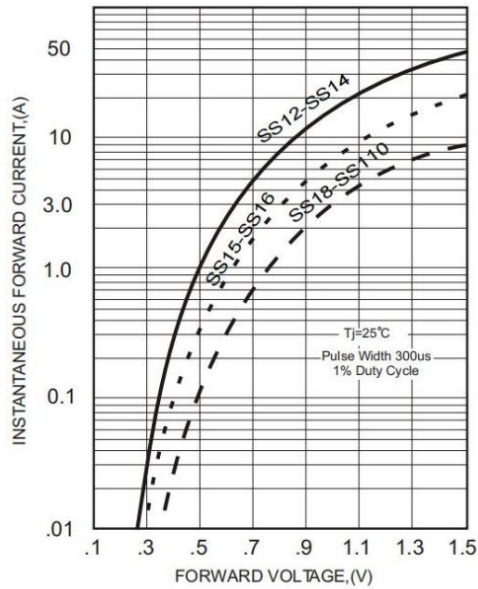
Typical forward current derating curve



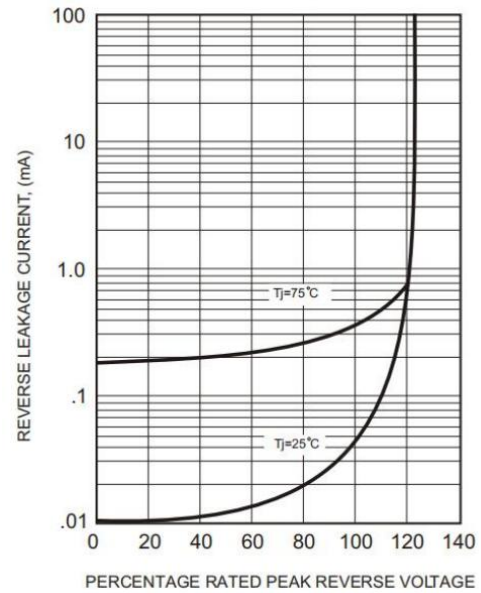
Maximum non-repetitive peak forward surge current



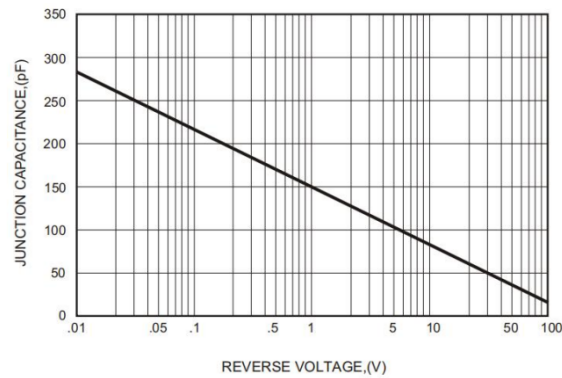
Typical forward characteristics



Typical reverse characteristics



Typical junction capacitance



Ordering information			
Part Number	Package	Shipping Quantity	Dimensions
SS12 - SS110	DO-214AC(SMA)	5000 pcs / reel	---

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