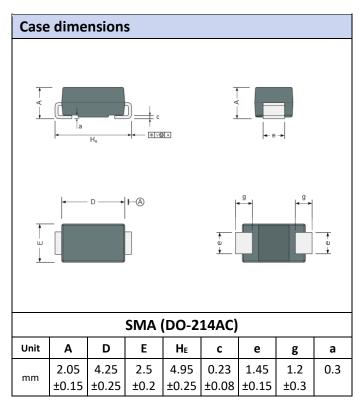


SMD Ultra Fast Recovery Rectifier Diode

Primary characteristics					
Parameter	Value	Unit			
Maximum repetitive peak reverse voltage	20 ~ 200	V			
Maximum average forward rectified current	1.0	А			

Features

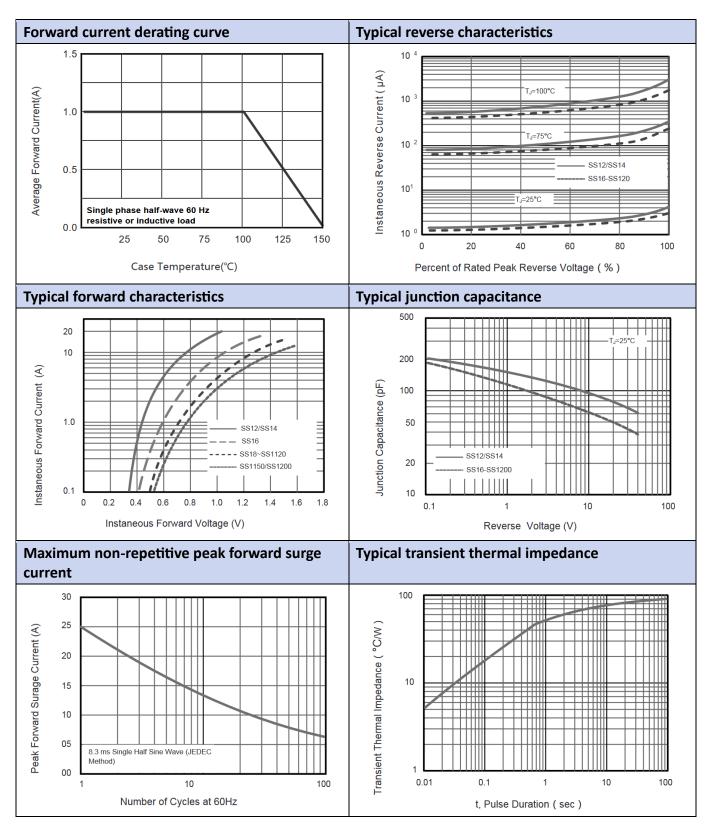
- SMA (DO-214AC) case for easy automatic insertion.
- Pb-free and RoHS compliant
- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Low power loss, high efficiency
- Built-in strain relief
- High forward surge current capability
- High temperature soldering guaranteed:
 250°C/10 seconds at terminals
- Weight: 0.002 ounce, 0.07 grams



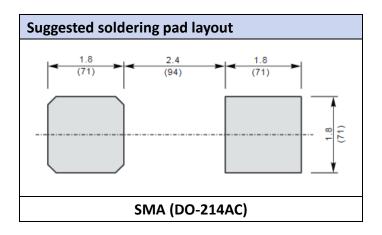
Absolute maximum ratings and general electrical characteristics (T _a = 25°C)												
Parameter		Symbol	Value									Unit
		Symbol	SS12	SS13	SS14	SS15	SS16	SS18	SS110	SS1150	SS1200	Unit
Maximum repetitive peak reverse voltage		V _{RRM}	20	30	40	50	60	80	100	150	200	.,
Maximum RMS voltage		V _{RMS}	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	
Maximum average forward rectified current 0.375"(9.5mm) lead length		I _{F(AV)}	1.0									
Peak forward surge current 8.3mS single half sine wave superimposed on rated load (JEDEC method)		lfsm	25					A				
Maximum instantaneous forward voltage @1.0A		VF	0.55		0	.7	0.85		0	.9	V	
Maximum DC reverse	T _a =25°C				0.3			0	.2	0	.1	
current at rated DC blocking voltage	T _a =125°C	I _R	10		5.0		2.0		mA			
Typical junction capacitance @1.0MHz, V _R =4.0VDC		Cı	110 80			pF						
Typical thermal resistance		$R_{\Theta JA}$	90						°C/W			
Operating junction and storage temperature range		Tj, Tstg	-55 ~ 150						°C			











Ordering information					
Part Number	Package	Shipping Quantity	Dimensions		
SS12 ~ SS1200	SMA (DO-214AC)	2 000 pcs / 7" reel			
		5 000 pcs / 11" reel			
		7 500 pcs / 13" reel			
		4 000 pcs / small box with 7" reels	183 x 155 x 183 mm		
		10 000 pcs / small box with 11" reels	290 x 290 x 38 mm		
		15 000 pcs / small box with 13" reels	335 x 335 x 38 mm		
		80 000 pcs / big box with 7" reels	382 x 356 x 392 mm / 16 kg		
		80 000 pcs / big box with 11" reels	310 x 310 x 360 mm / 11 kg		
		120 000 pcs / big box with 13" reels	350 x 330 x 360 mm / 14.5 kg		

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