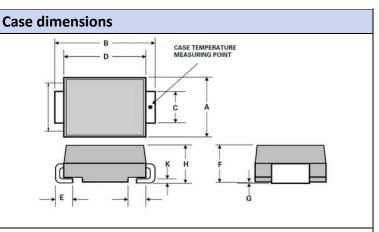


SMD Ultra Fast Recovery Rectifier Diode

Primary characteristics							
Parameter	Value	Unit					
Maximum Repetitive Peak Reverse Voltage	50 ~ 600	V					
Maximum Average Forward Rectified Current	2.0	A					

Features

- SMB (DO-214AA) case for easy automatic insertion.
- Pb-free and **RoHS** compliant
- Glass passivated chip junction
- Superfast reverse recovery time
- Terminals: solferable per MIL-STD-750, Method 2026
- Approximate weight: 0.095g/0.003oz

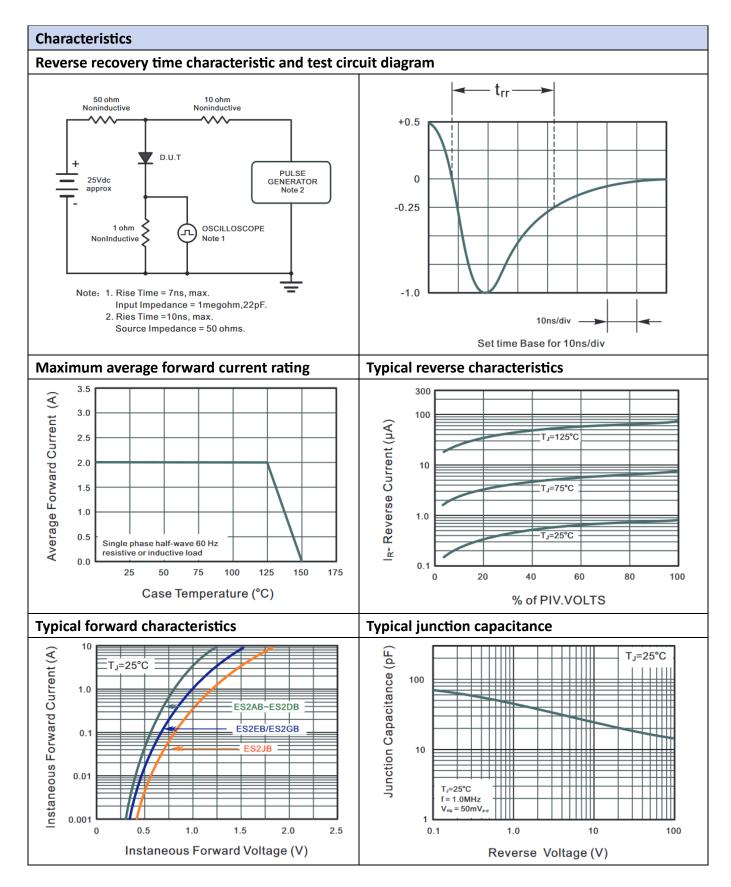


SMB (DO-214AA)

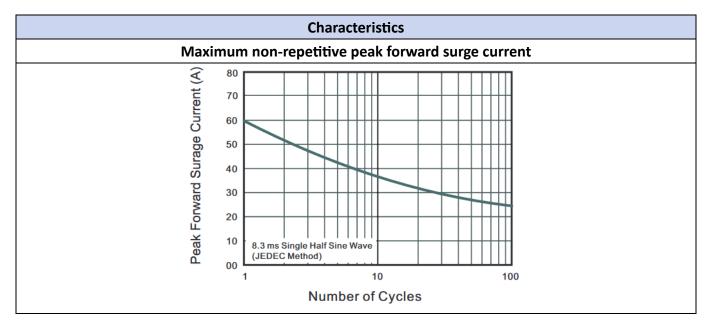
Unit	Α	В	С	D	Ε	F	G	н	К
	3.60	5.3	2.10	4.30	1.20	2.20	0.10	2.30	0.30
mm	-0.30	-0.2	-0.15	-0.25	-0.45	-0.30	-0.05	±0.35	-0.15
	+0.35	+0.3	+0.10	+0.30	+0.40	+0.25	+0.10		+0.11

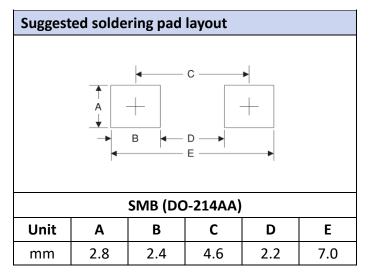
Absolute maximum ratings and general electrical characteristics ($T_a = 25^{\circ}C$)										
Parameter		Symbol	Value							
		Symbol	ES2AB	ES2BB	ES2CB	ES2DB	ES2EB	ES2GB	ES2JB	Unit
Maximum repetitive peak rever	se voltage	V _{RRM}	50	100	150	200	300	400	600	
Maximum RMS voltage		V _{RMS}	35	70	105	140	210	280	420	V
Maximum DC blocking voltage		V _{DC}	50	100	150	200	300	400	600	
Maximum average forward rectified current @T _c =125°C		IF(AV)	2.0							
Peak forward surge current 8.3mS single half sine wave superimposed on rated load (JEDEC method)		Ifsm	60							A
Maximum instantaneous forward voltage @1.0A		VF	1.0 1.25 1.68					1.68	V	
Maximum DC reverse current	Ta=25°C		5.0							μA
at rated DC blocking voltage	Ta=125°C	IR	100							
Typical junction capacitance	Cj	40						pF		
Maximum reverse recovery time IF=0.5A, IR=1.0A, Irr=0.25A		T _{rr}	35							ns
Typical thermal resistance PCB mounted with 2.0"x2.0" (5x5cm) copper pad areas		R _{eJA}	60						°C/W	
		R _{ejl}	20							
Operating junction and storage temperature range		Tj, Tstg	-55 ~ 150							°C











Ordering information							
Part Number	Package	Shipping Quantity	Dimensions				
ES2AB ~ ES2JB	SMB (DO-214AA)	3000 pcs / reel					

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