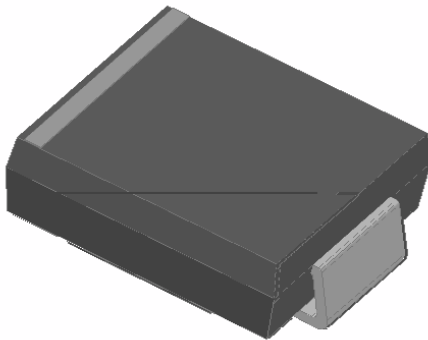
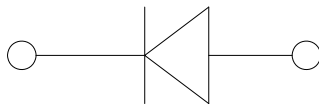


Surface Mount Schottky Rectifier



Features

- Guardring for overvoltage protection
- Low power losses
- Extremely fast switching
- High forward surge capability
- High frequency operation
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C
- Part no. with suffix "Q" means AEC-Q101 and H002 and JESD22-B102
- **Polarity:** Color band denotes the cathode end



■Maximum Ratings (T_a=25 °C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	SS32Q	SS34Q
Device marking code			SS32	SS34
Repetitive peak reverse voltage	V _{RRM}	V	20	40
Maximum RMS voltage	V _{RMS}	V	14	28
Maximum DC blocking voltage	V _{DC}	V	20	40
Maximum average forward rectified current at T _L (Fig.1)	I _O	A	3.0	
Surge(non-repetitive)forward current @60Hz half-sine wave,1 cycle, T _J =25	I _{FSM}	A	80	
Voltage rate of change (rated V _R)	dV/dt	V/μs	10000	
Storage temperature	T _{stg}		-55 ~+150	
Junction temperature	T _J		-55 ~+150	

■Electrical Characteristics T_a=25 °C Unless otherwise specified

PARAMETER	SYMBOL	TEST CONDITIONS	TYP	MAX	UNIT
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Instantaneous forward voltage V_F I_F=3A

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PARAMETER	SYMBOL	UNIT	SS32Q	SS34Q
Thermal Resistance	$R_{\theta J-A}$	/W	48 ¹⁾	
	$R_{\theta J-L}$		13 ¹⁾	

■rUnl M γ ϕ Mκ H f $\tilde{O} \dot{\eta} z_{RM}$



SS32Q THRU SS34Q

■ Outline Dimensions

DO-214AB (SMC)		
Dim	Min	Max
A	6.60	7.11
B	2.85	3.27
C	5.59	6.22
D	7.75	8.13
E	1.99	2.61
F	0.15	0.31
G	0.76	1.52
H	0.05	0.20

■ Suggested pad layout



Dim	Typ
P1	9.9
P2	3.84
Q1	3.03
Q2	3.82

Dimensions in millimeters



SS32Q THRU SS34Q

Disclaimer

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