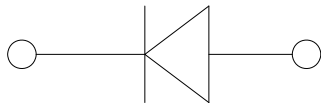
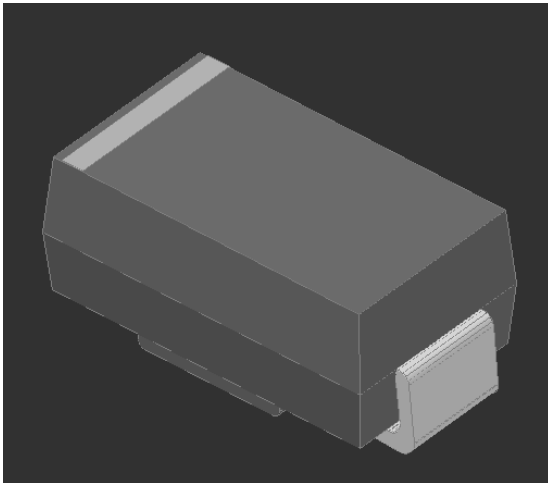




SS15AQ THRU SS16AQ

RoHS
COMPLIANT



Typical Applications

For use in low voltage high frequency inverters, freewheeling, DC/DC converters, automotive and polarity protection applications.

Mechanical Data

- **Package:** DO-214AC (SMA)
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Cathode line denotes the cathode end

■Maximum Ratings (T_a=25 Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	SS15AQ	SS16AQ
Device marking code			SS15A	SS16A
Repetitive peak reverse voltage	V _{RRM}	V	50	60
Maximum RMS voltage	V _{RMS}	V	35	42
Maximum DC blocking voltage	V _{DC}	V	50	60
Maximum average forward rectified current at T _L (Fig.1)	I _O	A	1.0	
Surge(non-repetitive)forward current @60Hz half-sine wave,1 cycle, T _J =25	I _{FSM}	A	40	
Voltage rate of change (rated V _R)	dV/dt	V/μs	10000	

Storage temperature T_{stg} % 0

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■Electrical Characteristics(T_a=25 Unless otherwise specified)

PARAMETER	SYMBOL	TEST CONDITIONS		TYP	MAX	UNIT
Instantaneous forward voltage	V _F	I _F =1A	T _J =25	0.5	0.7	V
			T _J =125	0.45	0.55	
Reverse current	I _R	Rated V _R	T _J =25	8	50	μA
			T _J =125	-	10	mA
Typical junction capacitance	C _J	V _R =4V,f=1MHz		75	-	pF



SS15AQ THRU SS16AQ



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