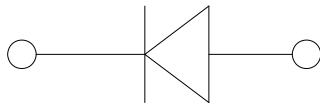


### Typical Applications

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/ $\mu s$	10000	
Storage temperature	$T_{stg}$	o		

### 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	$\mu A$
			$T_J=125$	-	10	mA
Typical junction capacitance	$C_J$	$V_R=4V, f=1MHz$	75	-	pF	







## SS15AQ THRU SS16AQ

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