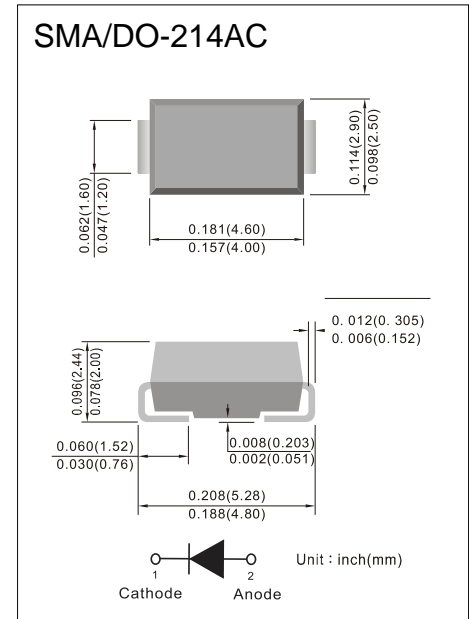


## Features

- Low profile package
- Ideal for automated placement
- Guardring for overvoltage protection
- Low power losses, high efficiency
- High forward surge capability
- Compliant with RoHS standards, halogen-free

## Mechanical Data

- Package: SMA/DO-214AC
- Terminals: Tin plated leads, solderable per
- Polarity: Cathode line denotes the cathode end



## Maximum Ratings (T<sub>a</sub>=25°C Unless otherwise specified)

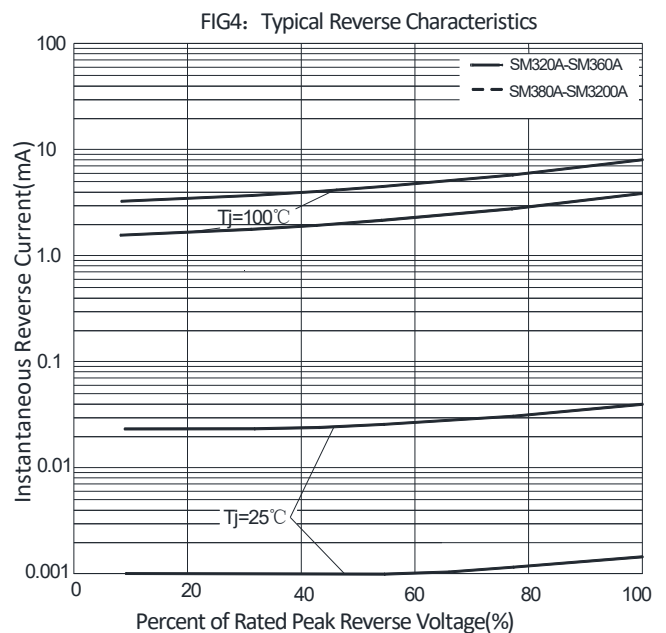
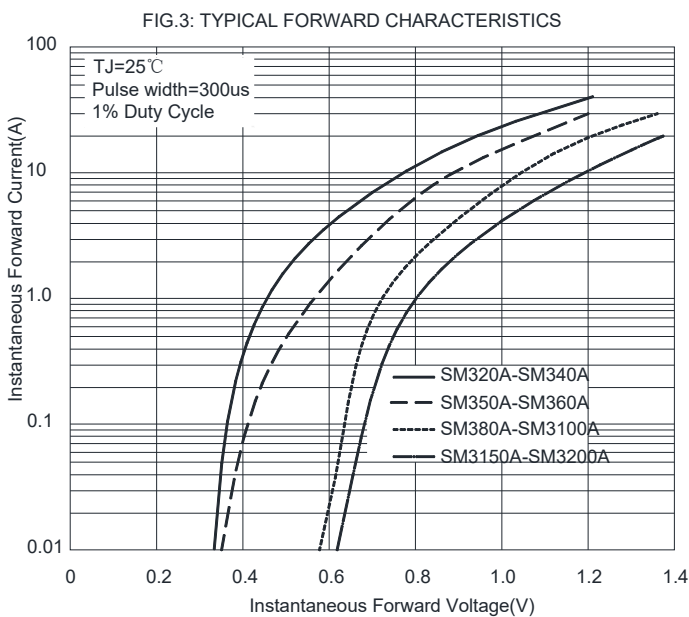
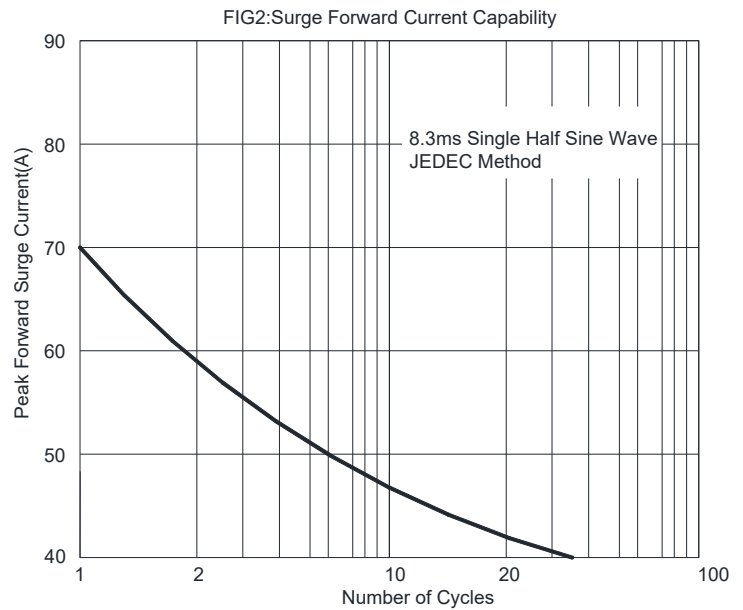
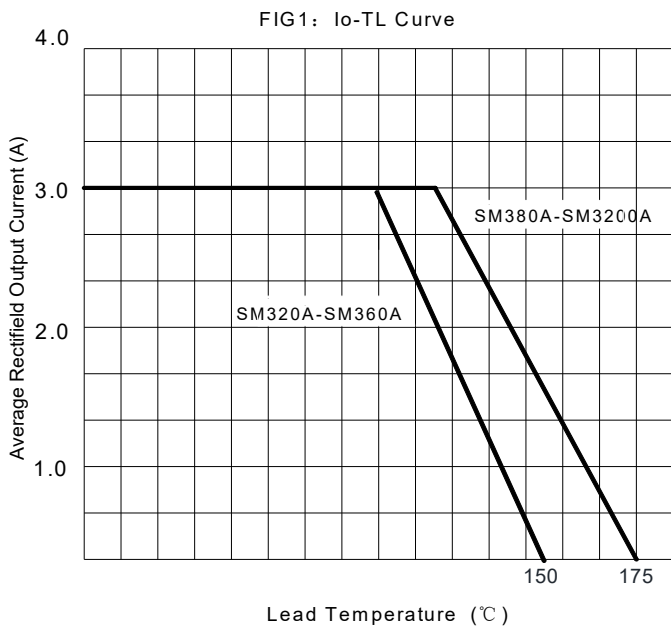
PARAMETER	SYMBOL	UNIT	SM									
			320A	330A	340A	350A	360A	380A	3100A	3150A	3200A	
Repetitive peak reverse voltage	V <sub>RRM</sub>	V	20	30	40	50	60	80	100	150	200	
Average rectified output current @60Hz sine wave, resistance load, TL (FIG.1)	I <sub>o</sub>	A	3.0									
Surge(non-repetitive)forward current @60Hz half-sine wave, 1 cycle, T <sub>a</sub> =25°C	I <sub>FSM</sub>	A	70									
Storage temperature	T <sub>stg</sub>	°C	-55 ~+150									
Junction temperature	T <sub>j</sub>	°C	-55 ~+150					-55 ~+175				



### Electrical Characteristics

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	SM							
				320A	330A	340A	350A	360A	380A	3100A	3150A
Maximum instantaneous forward voltage drop per diode	$V_F$	V	$I_{FM} = 3.0A$	0.55		0.70		0.85		0.95	
Maximum DC reverse current at rated DC blocking voltage per diode@ $V_{RM}=V_{RRM}$	$I_{RRM}$	mA	$T_a=25^{\circ}C$	0.50				0.10			
			$T_a=100^{\circ}C$	10				5.0			

### Characteristics Curves



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