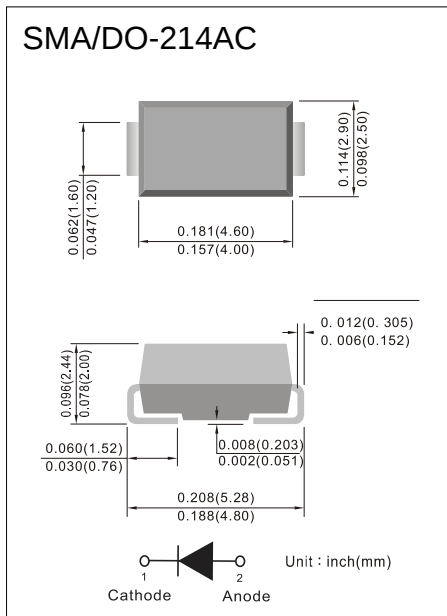


Features

- 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 ($T_a=25^{\circ}\text{C}$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	B								
			320A	330A	340A	350A	360A	380A	3100A	3150A	3200A
Repetitive peak reverse voltage	V_{RRM}	V	20	30	40	50	60	80	100	150	200
Average rectified output current @60Hz sine wave, resistance load, TL (FIG.1)	I_o	A	3.0								
Surge(non-repetitive)forward current @60Hz half-sine wave, 1 cycle, $T_a=25^{\circ}\text{C}$	I_{FSM}	A	70								
Storage temperature	T_{stg}	$^{\circ}\text{C}$	-55 ~+150								
Junction temperature	T_j	$^{\circ}\text{C}$	-55 ~+150					-55 ~+175			



Electrical Characteristics

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	B								
				320A	330A	340A	350A	360A	380A	3100A	3150A	3200A
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	Ta=25°C	0.50					0.10			
			Ta=100°C	10					5.0			

Characteristics Curves

