

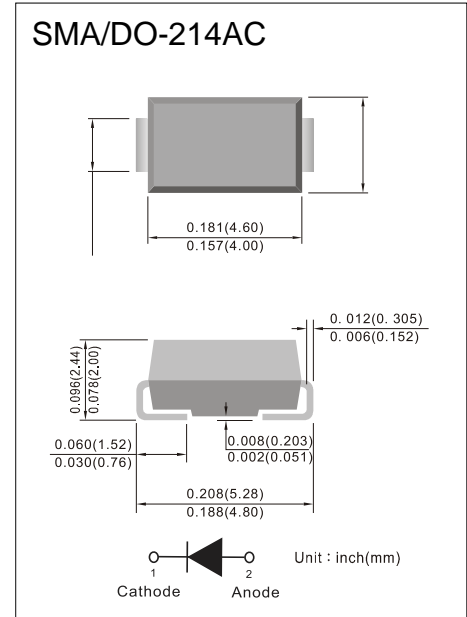
Surface Mount Schottky Rectifier

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
- **Terminal:** Tin plated leads, solderable per
- **Polarity:** Cathode line denotes the cathode end



Maximum Ratings ($T_A=25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Unit	SS									
			22A	23A	24A	25A	26A	28A	210A	215A	220A	
Repetitive Peak Reverse Voltage	V_{RRM}	V	20	30	40	50	60	80	100	150	200	
Average Rectified Output Current @60Hz Half-sine wave, Resistance load, TL (FIG.1)	I_O	A	2.0									
Surge(Non-repetitive)Forward Current @60Hz Half-sine wave, 1 cycle, $T_a=25^\circ\text{C}$	I_{FSM}	A	50									
Junction Temperature	T_j	$^\circ\text{C}$	-55 ~+150					-55 ~+175				
Storage Temperature	T_{stg}	$^\circ\text{C}$	-55 ~+150									

Electrical Characteristics ($T_A=25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Unit	Test Conditions	SS							
				22A	23A	24A	25A	26A	28A	210A	215A
Maximum instantaneous forward voltage drop per diode	V_F	V	$I_{FM} = 2.0\text{A}$	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	$T_a=25^\circ\text{C}$	0.50				0.10			
			$T_a=100^\circ\text{C}$	10				5			

Thermal Characteristics ($T_A=25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Unit	SS								
			22A	23A	24A	25A	26A	28A	210A	215A	220A
Thermal Resistance	$R_{\theta J-A}^{(1)}$	$^\circ\text{C/W}$	75								
	$R_{\theta J-L}^{(1)}$		17								

Note

(1) Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.2" x 0.2" (5.0 mm x 5.0 mm) copper pad areas

Characteristics (Typical)

