

Schottky Rectifier

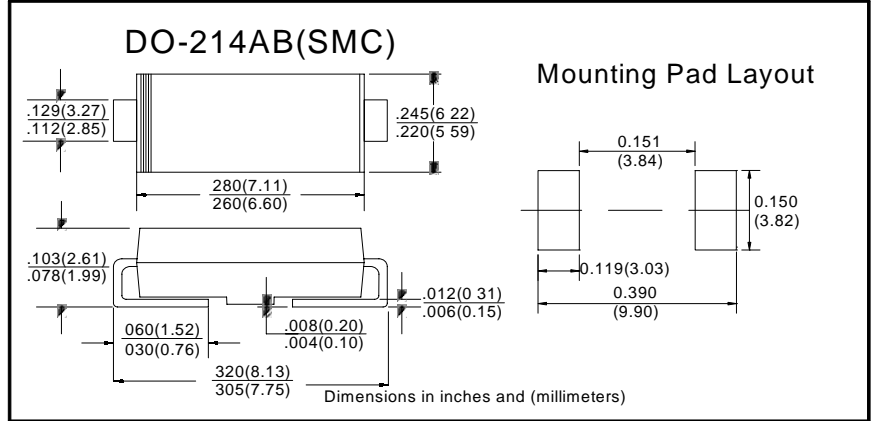
■ Features

- High surge Forward current capability
- Low Power loss, High efficiency
- IF (AV) 10A
- VRRM 60V

■ Applications

- Switching Power Supply Industry
- Photovoltaic Solar cell Protection Schottky Rectifier

■ Outline Dimensions and Mark



■ Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Conditions	SS1060C
Repetitive Peak Reverse Voltage	VRRM	V		60
Average Rectified Output Current	I _o	A	60Hz sine wave, R- load, T _a =25°C	10
Surge(Non-repetitive)Forward Current	I _{FSM}	A	60Hz sine wave, 1 cycle, T _a =25°C	275
Current Squared Time	I ² _t	A ² s	1ms ≤ t < 8.3ms T _j =25°C	313
Storage Temperature	T _{stg}	°C		-55 ~ +150
Junction Temperature	T _j	°C		-55~+150
Thermal Resistance(Typical)	R _{θJ-C}	°C/W	Between Junction and Case	8

■ Electrical Characteristics (T_a=25°C Unless otherwise specified)

Item	Symbol	Unit	Test Condition	Min	Typ	Max
Peak Forward Voltage	V _{FM}	V	I _{FM} = 10.0A, T _j = 25°C	-	0.46	0.45
			I _{FM} = 10.0A, T _j = 125°C	-	0.42	0.46
Reverse Breakdown Voltage	V _{BR}	V	I _R = 0.5mA	60	-	-
Leakage Current	I _R	mA	V _R = 60V, T _j = 25°C	-	-	0.3
			V _R = 60V, T _j = 125°C	-	-	50

■ Characteristics(Typical)

