

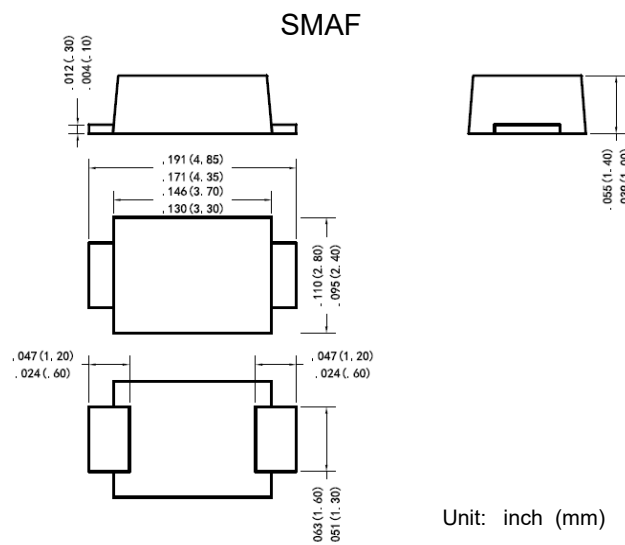
Surface Mounted Schottky Barrier Diode

Features

- Low reverse leakage
- High forward surge capability
- High reliability
- High temperature soldering guaranteed:
260°C/10seconds
- AEC-Q101 qualified
- Lead and body according with RoHS standard

Mechanical Data

- Case:SMAF Molded plastic
- Epoxy: UL 94V-0 rate flame retardant
- Lead: Pure tin plated, lead free



Maximum Ratings & Characteristics (T_A=25°C unless otherwise noted)

Parameter	Symbols	SS32 AFQ	SS33 AFQ	SS34 AFQ	SS35 AFQ	SS36 AFQ	SS38 AFQ	SS310 AFQ	SS315 AFQ	SS320 AFQ	Unit
Maximum repetitive peak reverse voltage	V _{RRM}	20	30	40	50	60	80	100	150	200	V
Maximum RMS voltage	V _{RMS}	14	21	28	35	42	56	70	105	140	V
Maximum DC blocking voltage	V _{DC}	20	30	40	50	60	80	100	150	200	V
Maximum average forward rectified current	I _{F(AV)}	3.0									A
Non-repetitive peak forward surge current 8.3 ms singlehalf sine-wave	I _{FSM}	100									A
@IF=3.0A Maximumforward voltage	V _F	0.55			0.70		0.85		0.95		V
@V _{DC} Maximum reverse current	I _R	0.5 20									mA
TA= 25℃ TA= 100℃											
Typical thermal resistance (Note 1)	R _{θJA} R _{θJL}	55 17									℃/W
VR=4.0V,f=1MHz Type junction capacitance	C _J	160									pF
Operating junction	T _J	-55 --- +125					-55 --- +150				℃
Storage temperature rang	T _{STG}	-55 --- +150									℃

Note:

1) Thermal resistance from junction to ambient , PCB mounted.



Characteristic Curves

