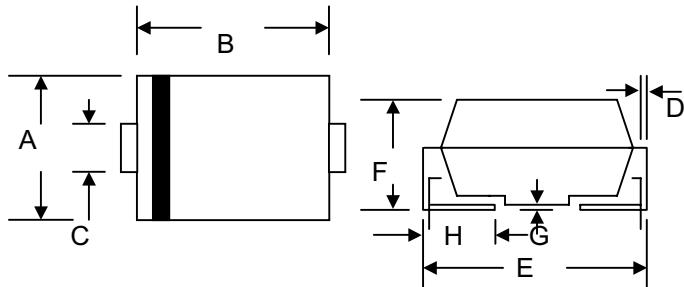


Data Sheet 2562 Rev.—

Features

- Glass Passivated Die Construction
- Ideally Suited for Automatic Assembly
- Low Forward Voltage Drop
- Surge Overload Rating to 30A Peak
- Low Power Loss
- Built-in Strain Relief
- Plastic Case Material has UL Flammability Classification Rating 94V-O



Mechanical Data

- Case: Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch

SMA/DO-214AC		
Dim	Min	Max
A	0.098(2.50)	0.114(2.90)
B	0.157(4.00)	0.181(4.60)
C	0.055(1.40)	0.063(1.60)
D	0.006(0.15)	0.012(0.31)
E	0.189(4.80)	0.208(5.28)
F	0.079(2.00)	0.096(2.44)
G	0.002(0.05)	0.008(0.20)
H	0.030(0.76)	0.060(1.52)

All Dimensions in inch(mm)

Maximum Ratings and Electrical Characteristics @ $T_A=25^\circ\text{C}$ unless otherwise specified

Characteristic	Symbol	MRA4003T3	MRA4004T3	MRA4005T3	MRA4006T3	MRA4007T3	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	300	400	600	800	1000	V
Average Rectified Output Current @ $T_L = 150^\circ\text{C}$	I _O			1.0			A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}			30			A
Forward Voltage @ $I_F = 1.0\text{A}$	V _{FM}			1.10			V
Peak Repetitive Forward Current @ $T_L = 150^\circ\text{C}$	I _{RM}			2.0			A
Thermal Resistance, Junction to Lead (Note 1.) Thermal Resistance, Junction to Ambient (Note 2.)	R _{THJL}			16.2 88.3			°C/W
Operating and Storage Temperature Range	T _J , T _{STG}			-55 to +175			°C

Note: 1. Minimum Pad Size
2. 1 inch Pad Size