

# **RS3AF THRU RS3MF**

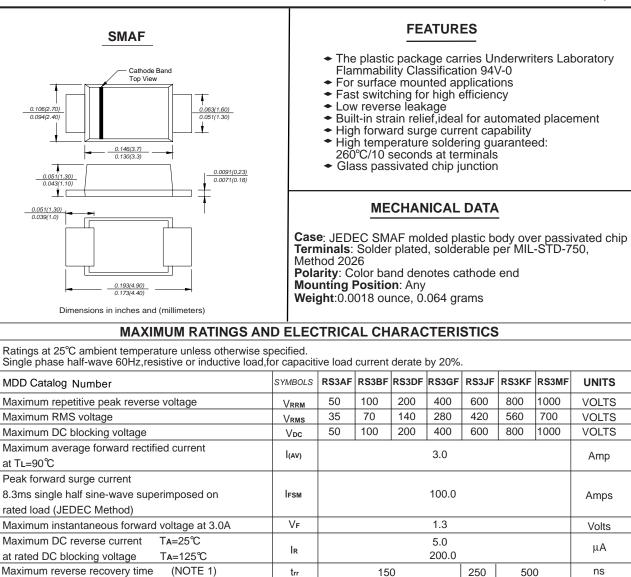
## SURFACE MOUNT FAST RECOVERY RECTIFIER

60.0

20.0

-50 to +150

Reverse Voltage - 50 to 1000 Volts Forward Current - 3.0 Ampere



С

TJ, TSTG

Reja

Note:1.Reverse recovery condition IF=0.5A,IR=1.0A,Irr=0.25A

Typical junction capacitance (NOTE 2)

Operating junction and storage temperature range

Typical thermal resistance (NOTE 3)

2.Measured at 1MHz and applied reverse voltage of 4.0V D.C. 3.P.C.B. mounted with 0.2x0.2"(5.0x5.0mm) copper pad areas



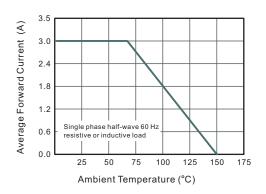
pF

°C/W

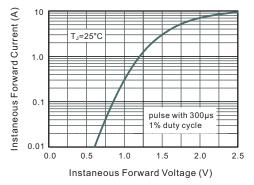
°C

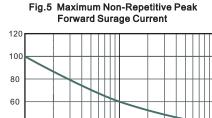
## **RATINGS AND CHARACTERISTIC CURVES RS3AF THRU RS3MF**

#### Fig.1 Forward Current Derating Curve









Peak Forward Surage Current (A) 40 8.3 ms Single Half Sine Wave 20 (JEDEC Method) 00

10 Number of Cycles

1

The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!

100

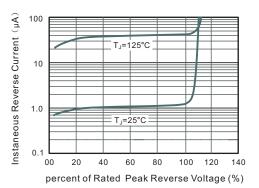
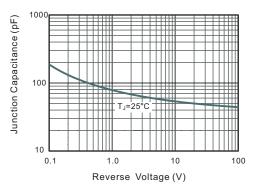


Fig.4 Typical Junction Capacitance





#### Fig.2 Typical Reverse Characteristics