RS3AF THRU RS3MF SMAF

Surface Mount Fast Recovery Rectifiers

Reverse Voltage - 50 to 1000 V

Forward Current - 3 A

Pinning

1.Cathode	2.Anode



SMAF

FEATURES

For surface mounted applications
Low profile package
Glass Passivated Chip Junction
Easy to pick and place
Fast reverse recovery time
Lead free in comply with EU RoHS 2011/65/EU directives

MECHANICAL DATA

Case: SMAF
Terminals: Solderable per MIL-STD-750, Method 2026
Approx. Weight: 27mg /0.00095oz

YFW RS3A
YFW RS3B
YFW RS3D
YFW RS3G
YFW RS3J
YFW RS3K
YFW RS3M

Absolute Maximum Ratings and characteristics

Ratings at 25 °C ambient temperature unless otherwise specified.
Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.

Parameter	Symbols	RS3AF	RS3BF	RS3DF	RS3GF	RS3JF	RS3KF	RS3MF	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current at T_c = 125 °C	$I_{F(AV)}$								

Fig.2 Typical Reverse Characteristics

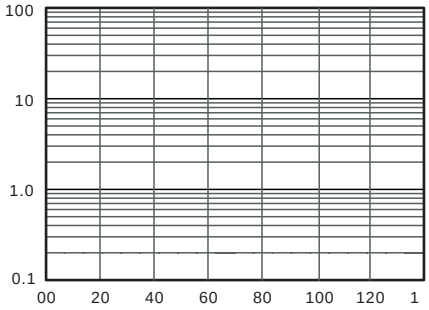

Fig.3 Typical Instaneous Forward Characteristics

