US3AF THRU US3MF SMAF

Surface Mount Ultrafast Recovery Rectifier

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
High efficiency

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 US3A
YFW US3B
YFW US3D
YFW US3G
YFW US3J
YFW US3K
YFW US3M

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	US3AF	US3BF	US3DF	US3GF	US3JF	US3KF	US3MF	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400	600			

Fig.1 Maximum Average Forward Current Rating

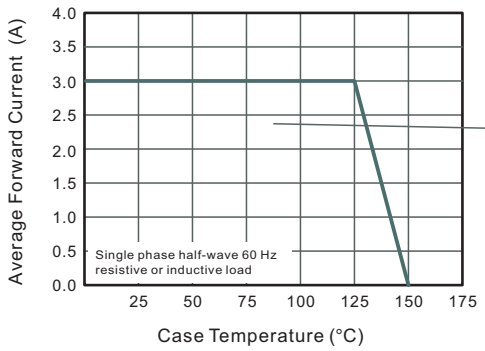


Fig.2 Typical Reverse Characteristics

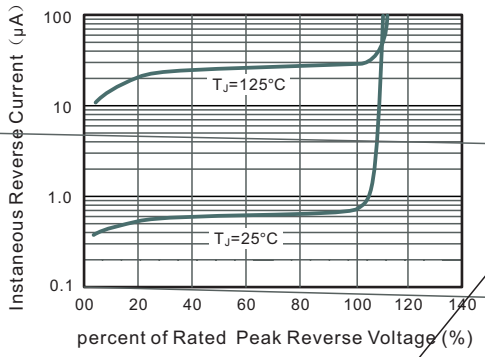
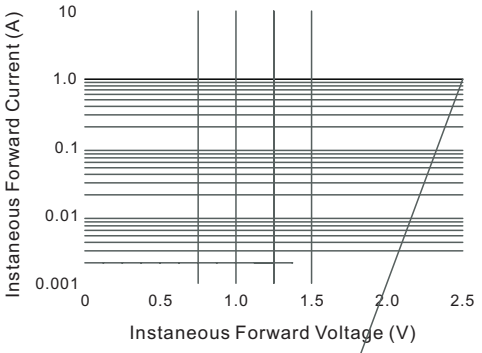
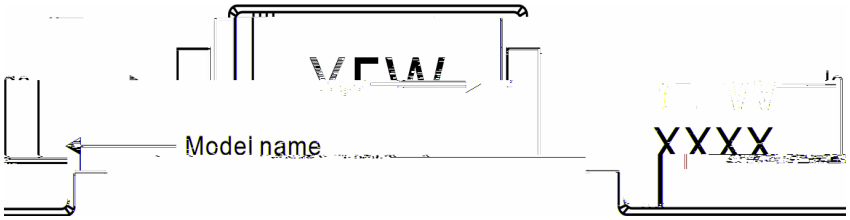
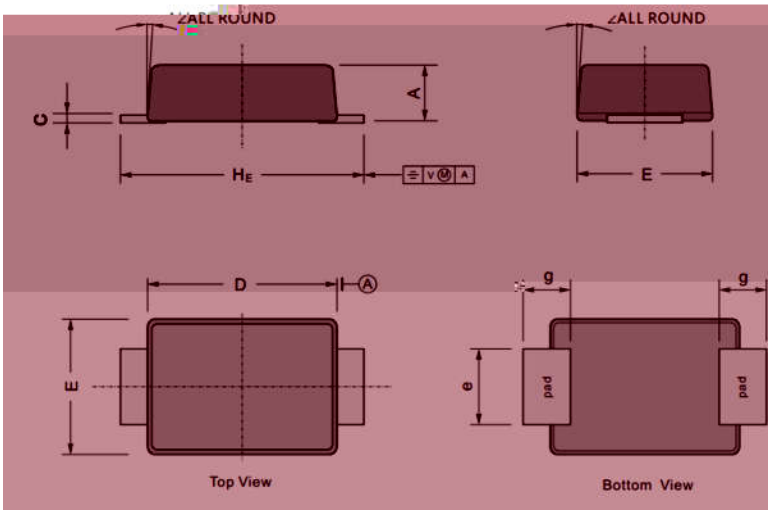


Fig.3 Typical Forward Characteristics





	Tape/Reel,13”reel	10000PCS/Reel 100000PCS/Carton
	Tape/Reel,7”reel	3000PCS/Reel 120000PCS/Carton



A	0.9	1.1	35	43
C	0.12	0.20	4.7	7.9
D	3.3	3.7	130	146
E	2.4	2.7	94	106
e	1.3	1.6	51	63
g	0.8	1.2	31	47
HE	4.4	4.9	173	193
∠	7°			

