



Efficiency Fast Recovery Rectifiers

REVERSE VOLTAGE - 200 Volts FORWARD CURRENT - 3 Amperes

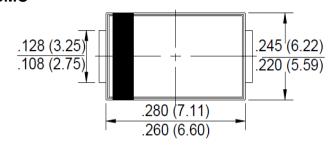
FEATURES

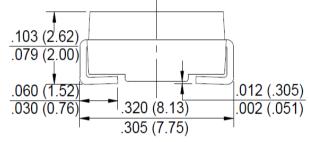
- Glass passivation pallet chip Junction.
- Ideal for automated placement
- Ultrafast recovery times for high efficiency.
- ●Low forward voltage, low power losses
- High forward surge capability
- ●Comply with AEC-Q101

MECHANICAL DATA

- ■Case: SMC, molded plastic
- Epoxy: UL flammability classification rate 94V-0.
- Terminals: Lead free plating (Tin finish).-Solderable per MIL-STD-202, Method 208.
- Polarity: Indicated by cathode band.
- Weight: 0.231 grams(approx.).

SMC





Dimensions in inches and (milimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ ambient temperature unless otherwise specified.

Resistive or inductive load 60Hz.

For capacitive load, derate current by 20%

Symbol	ES3D	Unit
Marking	EFM304C	Offic
VRRM	200	V
VRMS	140	V
VDC	200	V
lF	3	А
IFSM	100	А
VF	0.9	V
ls.	10	uA
IK	500	uA
Сл	40	pF
Trr	20	ns
Rejc	30	°C/W
TJ	-55 to +150	$^{\circ}\!\mathbb{C}$
Tstg	-55 to +150	$^{\circ}\!\mathbb{C}$
	Marking VRRM VRMS VDC IF IFSM VF IR CJ Trr ReJC TJ	Marking EFM304C VRMM 200 VRMS 140 VDC 200 IF 3 IFSM 100 VF 0.9 IR 500 CJ 40 Trr 20 ReJC 30 TJ -55 to +150

Notes: 1. Measured at 1.0MHZ and applied reverse voltage of 4.0V DC.

2. Measured with IF=0.5A, IR=1.0A, IRR=0.25A.

ES3D-13-99-A001-CC0161

Rev. 1, 25-Mar-2019



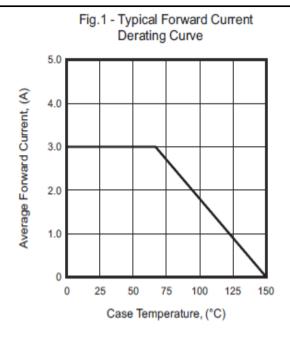


Fig.3 - Maximum Non-repetitive Forward Surge Current

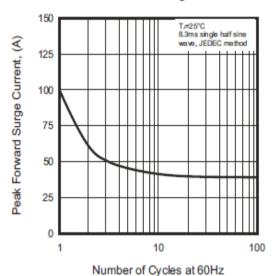


Fig.2 - Typical Forward Characteristics

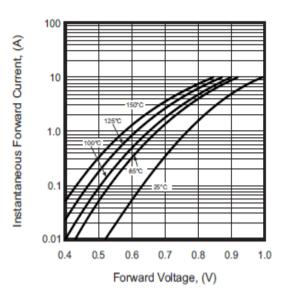


Fig.4 - Typical Reverse Characteristics

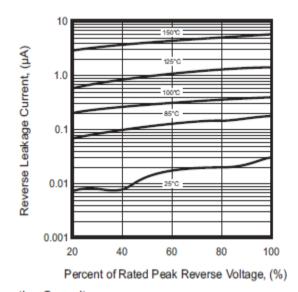
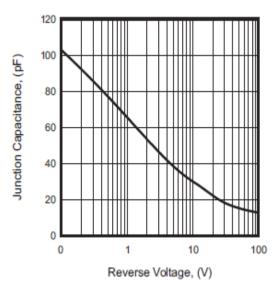


Fig.5 - Typical Junction Capacitance



The curve above is for reference only. 曲线图仅供参考。

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