

FS2A thru FS2J

SURFACE MOUNT SUPER FAST RECTIFIERS

REVERSE VOLTAGE - **50** to **600** Volts FORWARD CURRENT - **2.0** Amperes

FEATURES

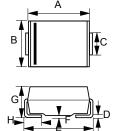
- Glass passivated chip
- Super fast switching for high efficiency
- For surface mounted applications
- Low forward voltage drop and high current capability
- Low reverse leakage current
- Plastic material has UL flammability classification 94V-0

MECHANICAL DATA

• Case : Molded plastic

Polarity: Color band denotes cathodeWeight: 0.003 ounces, 0.093 grams

SMB



SMB								
DIM.	MIN. MAX.							
Α	4.06	4.57						
В	3.30	3.94						
С	1.96	2.21						
D	0.15	0.31						
Е	5.21	5.59						
F	0.05	0.20						
G	2.01	2.50						
Н	0.76	1.52						
All Dimensions in millimeter								

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

CHARACTERISTICS	SYMBOL	FS2A	FS2B	FS2C	FS2D	FS2G	FS2J	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	150	200	400	600	V
Maximum RMS Voltage	VRMS	35	70	105	140	280	420	V
Maximum DC Blocking Voltage	VDC	50	100	150	200	400	600	V
Maximum Average Forward Rectified Current @TL =110°C	I(AV)	2.0						Α
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load (JEDEC METHOD)	IFSM	50						А
Maximum forward Voltage at 2.0A DC	VF	0.92 1.25 1.3				1.3	V	
Maximum DC Reverse Current at Rated DC Blocking Voltage @TJ =25°C	lr	5.0 350						uA
Maximum Reverse Recovery Time (Note 1)	TRR	35 50					ns	
Typical Junction Capacitance (Note 2)	Сл	25					pF	
Typical Thermal Resistance (Note 3)	Rejl	20					°C/W	
Operating Temperature Range	TJ	-55 to +150					°C	
Storage Temperature Range	Тѕтс	-55 to +150					°C	

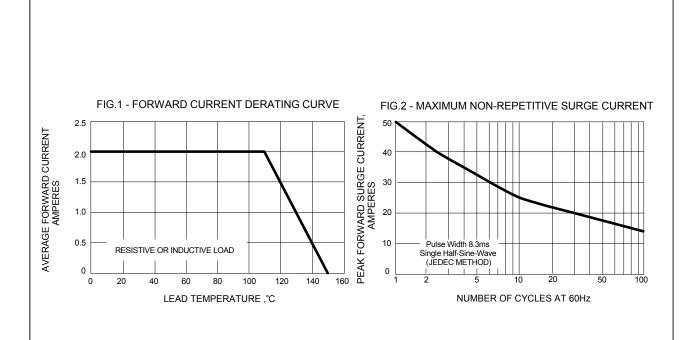
NOTES: 1.Reverse Recovery Test Conditions: IF=0.5A,IR=1.0A,IRR=0.25A.

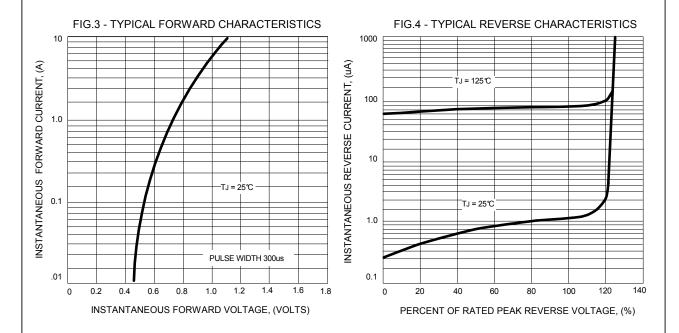
2.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

3. Thermal Resistance junction to Lead.

REV. 2, Sep-2010, KSGB05









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