

DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

SS52F THRU SS520F

TECHNICAL SPECIFICATIONS OF SCHOTTKY BARRIER RECTIFIER VOLTAGE RANGE - 20 to 200 Volts CURRENT - 5.0 Amperes

FEATURES

- * Ideal for surface mounted applications
- * Glass passivated junction
- * Low leakage current
- * Low power loss
- * High efficiency

MECHANICAL DATA

* Case: Molded plastic

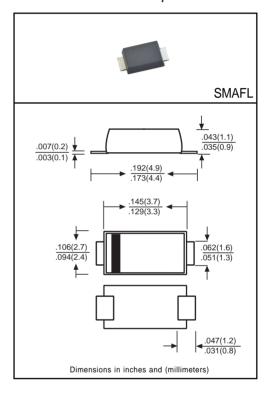
* Epoxy: UL 94V-0 rate flame retardant * Terminals: Solder plated solderable per MIL-STD-750, Method 2026

* Polarity: As marked * Mounting position: Any * Weight: 0.03 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 $^{\circ}\text{C}$ ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%.



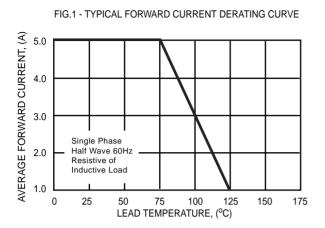
		SYMBOL	SS52F	SS54F	SS56F	SS58F	SS510F	SS512F	SS515F	SS520F	UNITS
Maximum Recurrent Peak Reverse Voltage		VRRM	20	40	60	80	100	120	150	200	Volts
Maximum RMS Voltage		VRMS	14	28	42	56	70	84	105	140	Volts
Maximum DC Blocking Voltage		VDC	20	40	60	80	100	120	150	200	Volts
Maximum Average Forward Rectified Current at Derating Lead Temperature at T _A = 75 °C		lo	5.0								Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	150								Amps
Maximum Instantaneous Forward Voltage at 5.0A DC		VF	0.45	0.55	0	.70	0.85			Volts	
Maximum DC Reverse Current at Rated DC Blocking Voltage	@TA = 25°C @TA = 100°C	lR	1.0 50							mAmps	
Typical Thermal Resistance (Note 1)		RθJA	45								°C/W
Typical Junction Capacitance (Note 2)		Сл	8	800 500						pF	
Operating Temperature Range		TJ	-55 to +125								٥C
Storage Temperature Range		Тѕтс	-55 to +150								۰C

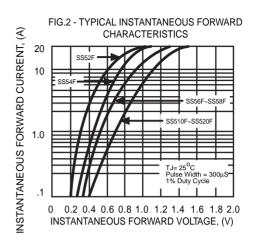
NOTES : 1. Thermal Resistance (Junction to Ambient)

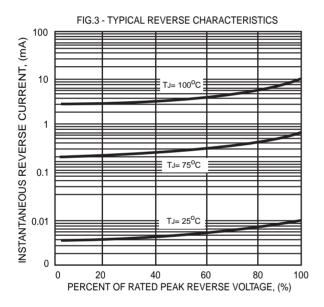
- 2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.
- 3. P.C.B. mounted with 0.5x0.5"(12.7x12.7mm²) copper pad area.

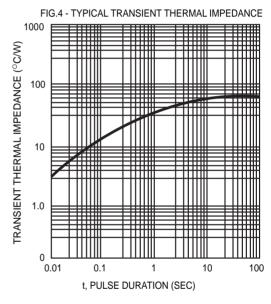
REV-3,MAR,2017 1 www.dccomponents.com

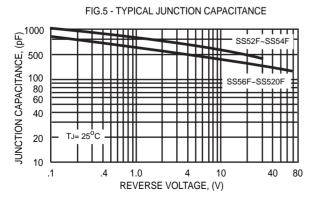
RATING AND CHARACTERISTIC CURVES (SS52F THRU SS520F)

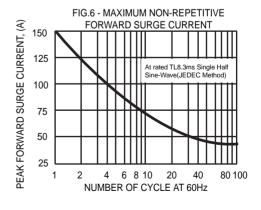












Disclaimer

Any Customer or user of this document or products described herein in such applications shall assume all risks of such use and will agree to hold *DC COMPONENTS* are harmless against all damages.

DC COMPONENTS disclaims any and all liability arising out of the application or use of any product, including consequential or incidental damages. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

DC COMPONENTS reserve the right to make modifications, enhancements, improvements, corrections or other changes without further notice to this document and any product described herein, and disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Unless otherwise in writing, *DC COMPONENTS* products are intended for use as general electronic components in standard applications (eg: Consumer electronic, Computer equipment, Office equipment, etc.), and not recommended for use in a high specific application where a failure or malfunction of the device could result in human injury or death (eg: Aerospace equipment, Submarine cables, Combustion equipment, Safety devices, Life support systems, etc.)

Customers using or selling *DC COMPONENTS* products not expressly indicated for use in such applications do so at their own risk. If customer intended to use *DC COMPONENTS* standard quality grade devices for applications not envisioned by *DC COMPONENTS*, please contact our sales representatives in advance.



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Schottky Diodes & Rectifiers category:

Click to view products by DC Components manufacturer:

Other Similar products are found below:

MA4E2039 D1FH3-5063 MBR10100CT-BP MBR1545CT MMBD301M3T5G GS1JE-TP RB160M-50TR RB551V-30

BAS16E6433HTMA1 BAS 3010S-02LRH E6327 BAT 54-02LRH E6327 NSR05F40QNXT5G NSVR05F40NXT5G NTE555 JANS1N6640

SB07-03C-TB-H SK310-T SK32A-LTP SK33A-TP SK34B-TP SS3003CH-TL-E GA01SHT18 CRS10I30A(TE85L,QM MA4E2501L-1290

MBRB30H30CT-1G SB007-03C-TB-E SK154-TP SK32A-TP SK33B-TP SK35A-TP SK38B-TP NRVBM120LT1G NTE505

NTSB30U100CT-1G VS-6CWQ10FNHM3 ACDBA1100LR-HF ACDBA1200-HF ACDBA140-HF ACDBA2100-HF ACDBA240-HF

ACDBA3100-HF CDBQC0530L-HF CDBQC0240LR-HF BAT6202VH6327XTSA1 ACDBA340-HF ACDBA260LR-HF ACDBA1100-HF

SK310B-TP MA4E2502L-1246 MA4E2502H-1246