.034(0.9)

.028(0.7)

DIA.

SUPER FAST RECTIFIER

REVERSE VOLTAGE 50 to 600 Volts

FORWARD CURRENT 1.0 Ampere

1.0(25.4)

MIN.

DO-41

FEATURES

Super fast speed switching speed

Low forward voltage drop

Low leakage current

High forward surge capability

High reliability

High to

260℃

MECH

Case:

Ероху Polarit

Lead:

Mounti

MAXIMU

Ratings a Single ph

For capac

ters)

temperature soldering guaranteed 2/10 seconds,0.375" (9.5mm)lead length at 5 lbs(2	.3kg) tens	sion				entral a		
HANICAL DATA				.205(5 .166(4				
e: Transfer molded plastic y: UL94V-0 rate flame retardant rity: Color band denotes cathode end : Plated axial lead, solderable per MIL-STD-202E mating position: Any UM RATINGS AND ELECTRICAL CHARA	ACTERI	STICS	.		0(25.4) MIN.		107(2.7) 080(2.0)	DIA.
at 25° ambient temperature unless otherwis hase, half wave, 60Hz, resistive or inductive leacitive load derate current by 20%			imens	sions	in inc	- [□] hes ar	nd (mi	llimet
ETER	SYMBOL	SF11	SF12	SF13	SF14	SF15	SF16	SF18

For capacitive load derate current by 20%										
PARAMETER		SYMBOL	SF11	SF12	SF13	SF14	SF15	SF16	SF18	UNIT
Maximum Repetitive Peak Reverse Voltage		V _{RRM}	50	100	150	200	300	400	600	VOLTS
Maximum RMS Voltage		V _{RMS}	35	70	105	140	210	280	420	VOLTS
Maximum DC Blocking Voltage		V _{DC}	50	100	150	200	300	400	600	VOLTS
Maximum average forward rectified current 0.375"(9.5mm) lead length at T_A =55 $^{\circ}$ C		I _(AV)	1.0						Amp	
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	30						Amps	
Maximum instantaneous forward voltage at 1.0A		V _F	0.95 1.25 1.					1.7	VOLTS	
Maximum DC Reverse Current	T _A = 25°C		5.0 100							uA
at Rated DC blocking voltage	T _A = 100°C	I _R								
Maximum reverse recovery time (NOTE 1)		T _{RR}	35							ns
Typical Junction Capacitance (Note 2)		Сл	15 10				pF			
Typical TSFmal Resistance (NOTE 3)		R ө JA	60							
Operating junction and storage temperature range		T _J ,Тsтg	-55 to +150							$^{\circ}$

- 1- Reverse Recovery Test Conditions: If=0.5A,Ir=1.0A,Irr=0.25A.
- 2- Measured at 1 MHZ and applied reverse voltage of 4.0 VDC.
- 3-Thermal Resistance From Junction to Ambient at. 375" (9.5mm)lead length, P.C. board mounted.

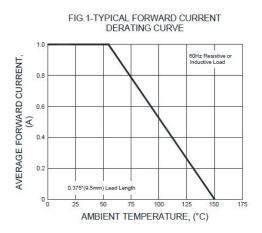
Kingtronics® International Company

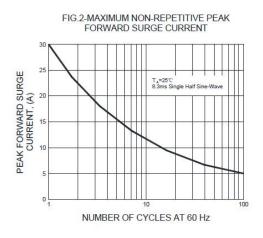
Website: www.kingtronics.com Email: info@kingtronics.com Tel: (852) 8106 7033 Fax: (852) 8106 7099

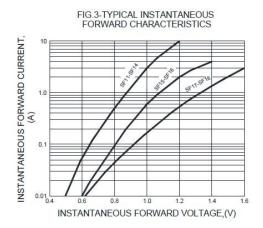
Kingtronics®

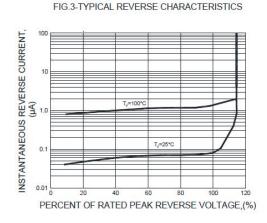
SF11 THRU SF18

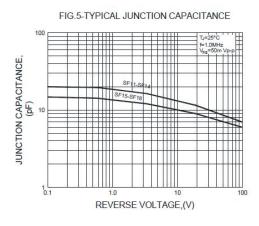
RATINGS AND CHARACTERISTIC CURVES

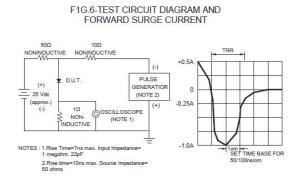












Note: Specifications are subject to change without notice.

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