

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

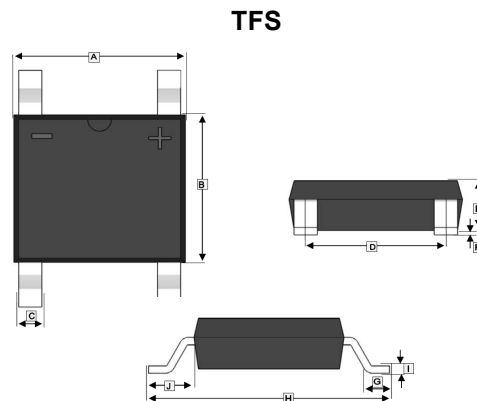
- Glass passivated chip junction
- High surge current capability

MECHANICAL DATA

- Terminals: Solderable per MIL-STD-750, Method 2026
- Case: TFS
- Mounting position: Any
- Weight: 88mg (Approx.)

PACKAGE INFORMATION

Package	MPQ	Leader Size
TFS	5K	13 inch



	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	4.9	5.2	F	0.2 TYP.	
B	4.2	4.5	G	0.1 TYP.	
C	0.5	0.7	H	6.0	6.4
D	3.8	4.2	I	0.15	0.22
E	1.3	1.5	J	0.95 TYP.	

MARKING

Part Number	Marking	Part Number	Marking
TB24S	TB24S	TB210S	TB210S
TB26S	TB26S	TB220S	TB220S
TB28S	TB28S		

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating 25°C ambient temperature unless otherwise specified. Single phase half wave, 60Hz, resistive or inductive load.
For capacitive load, de-rate current by 20%.)

Parameter		Symbol	Part Number					Unit
			TB24S	TB26S	TB28S	TB210S	TB220S	
Maximum Recurrent Peak Reverse Voltage		V _{RRM}	40	60	80	100	200	V
Maximum RMS Voltage		V _{RMS}	28	42	56	70	140	V
Maximum DC Blocking Voltage		V _{DC}	40	60	80	100	200	V
Maximum Average Forward Current		I _{F(AV)}	2					A
Peak Forward Surge Current 8.3 ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)		I _{FSM}	50		40			A
Maximum instantaneous forward voltage @ I _F =2A		V _F	0.55	0.70	0.85			V
Maximum DC Reverse Current at Rated DC Blocking Voltage	T _A =25°C	I _R	0.5			0.3		mA
	T _A =100°C		10			5		
Typical junction capacitance ¹		C _J	220	80				pF
Thermal resistance junction to ambient ²		R _{θJA}	115					°C/W
Operating and Storage Temperature range		T _J , T _{STG}	-55~150					°C

Note:

1. Measured at 1MHz and applied reverse voltage of 4 V D.C.
2. Mounted on glass epoxy PC board with 1.3mm² copper pad.

RATINGS AND CHARACTERISTIC CURVES

Fig.1 Forward Current Derating Curve

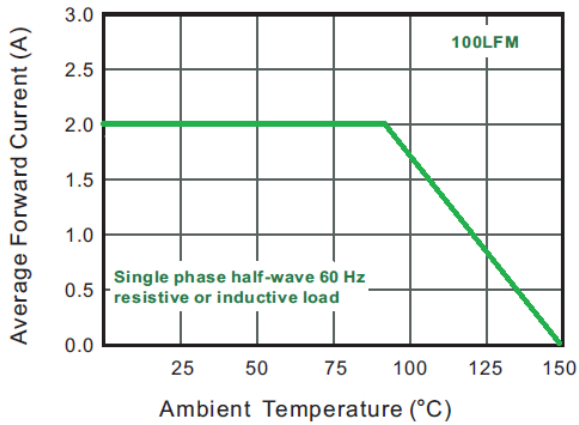


Fig.2 Typical Reverse Characteristics

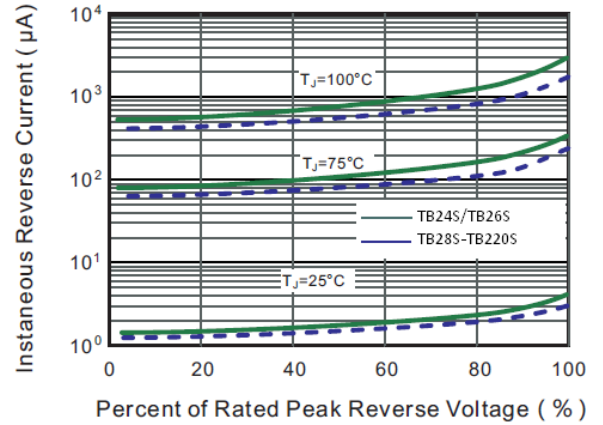


Fig.3 Typical Forward Characteristic

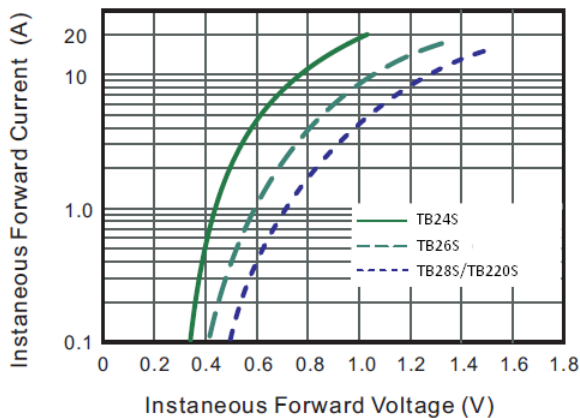


Fig.4 Typical Junction Capacitance

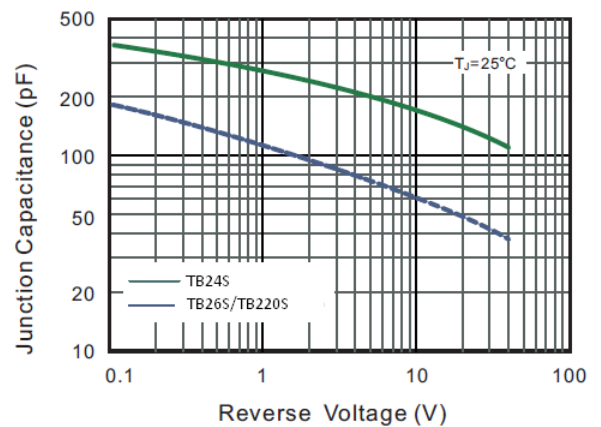


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current

