

TB24F THRU TB220F



ABF

FEATURES

- Reverse Voltage - 40 to 200V
- Forward Current - 2 A
- High Surge Current Capability
- Designed for Surface Mount Application

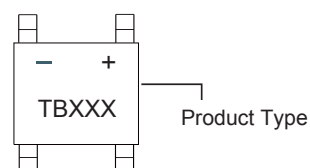
PRIMARY CHARACTERISTICS

$I_F(AV)$	2.0 A
V_{RRM}	40 V THRU 200 V
I_{FSM}	50A、40A
I_R	0.5 mA、0.3mA
V_F	0.55V、0.7V、0.85V
T_J max.	150 °C

MECHANICAL DATA

- Case:** ABF molded plastic body
- Polarity:** Symbol molded on body
- Mounting Position:** Any

Part Marking System

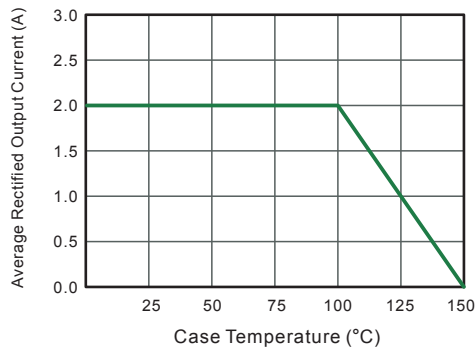
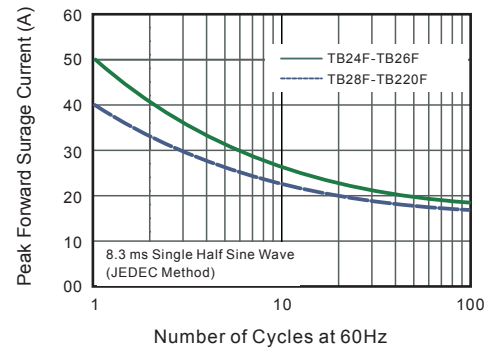
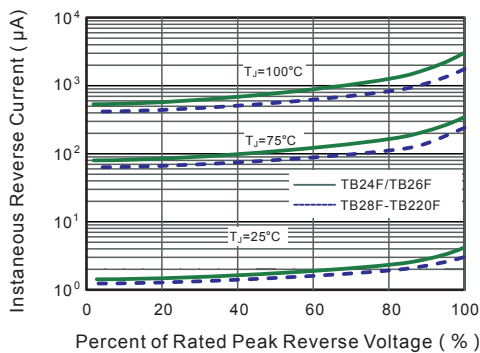
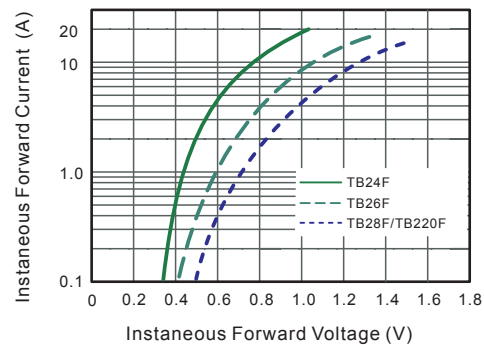


MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

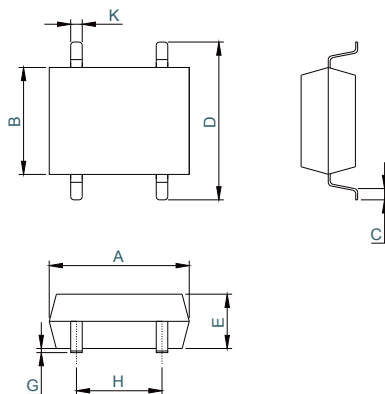
Ratings at 25 °C ambient temperature unless otherwise specified.
Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

CHARACTERISTICS	SYMBOL	TB24F	TB26F	TB28F	TB210F	TB220F	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	40	60	80	100	200	V
Maximum RMS Voltage	VRMS	28	42	56	70	140	V
Maximum DC Blocking Voltage	VDC	40	60	80	100	200	V
Maximum Average Forward Rectified Current @TA=40 °C	I(AV)	2.0					A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	IFSM	50		40			A
Peak Forward Voltage at 2.0A DC	VF	0.55	0.7	0.85			V
Maximum DC Reverse Current at Rated DC Bolcking Voltage @TJ=25℃ @TJ=100℃	IR	0.5 10			0.3 5		mA
Operating Temperature Range	TJ	-55 to +150					℃
Storage Temperature Range	TSTG	-55 to +150					℃

Ratings and Characteristic Curves ($T_A=25^\circ\text{C}$ unless otherwise noted)

FIG. 1- Average Rectified Output Current Derating Curve

FIG. 2- Maximum Non-Repetitive Peak Forward Surge Current

FIG. 3- Typical Reverse Characteristics

FIG. 4- Typical Forward Characteristic


Dimensions

ABF


DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.191	0.205	4.90	5.20	
B	0.165	0.181	4.20	4.60	
C	0.012	0.028	0.30	0.70	
D	0.236	0.264	6.00	6.70	
E	0.039	0.047	1.00	1.20	
G	—	0.008	—	0.20	
H	0.150	0.165	3.80	4.20	
K	0.020	0.028	0.50	0.70	