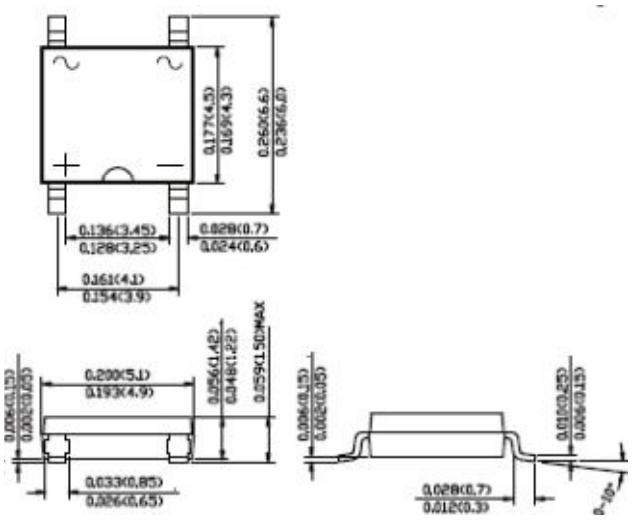
ABS



Features

- **Ideal for printed circuit board**
- **Reliable low cost construction utilizing molded plastic technique**
- **High temperature soldering guaranteed: 260℃/10 seconds at 5 lbs., (2.3kg) tension**
- **Small size, simple installation**
- **Leads solderable per MIL-STD-202, Method 208**
- **High surge current capability**
- **Glass passivated chip junction**
- **Halogen Free product**

Mechanical Data

Case: Molded plastic body
Terminals: Plated leads solderable per MIL-STD-750, Method 2026
Polarity: Polarity symbols marked on case
Mounting Position: Any

Maximum Ratings and Electrical Characteristics

Parameter	Symbol	ABS2F	ABS4F	ABS6F	ABS8F	ABS10F	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	140	280	420	560	700	V
Maximum DC blocking voltage	V_{DC}	200	400	600	800	1000	V
Maximum average forward rectified current **On glass-epoxy P.C.B.(Note1)** **On aluminum substrate(Note2)**	$I_{F(AV)}$	0.8 1.0					A
Peak forward surge current,8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	30					A
Maximum instantaneous forward voltage drop per leg at 0.4A	V_F	0.95					V
Maximum DC reverse current TA=25℃ **at rated DC blocking voltage TA=125℃**	I_R	10 150					uA uA
Typical thermal resistance(NOTE 3)	$R_{\theta JL}$ $R_{\theta JA}$	25 80					℃/W
Operating temperature range	T_J	-55 to +150					℃
storage temperature range	T_{STG}	-55 to +150					℃

NOTES: 1. On glass epoxy P.C.B. mounted on 0.05x0.05"(1.3x1.3mm) pads
2. On aluminum substrate P.C.B. with on area of 0.8"x0.8"(20x20mm) mounted on 0.05X0.05"(1.3X1.3mm) solder pad
3. Thermal resistance form junction to ambient and junction to lead mounted on P.C.B. with 0.2X0.2"(5X5mm) copper pads.

Typical Characteristics

FIG.1 TYPICAL FORWARD CHARACTERISTICS

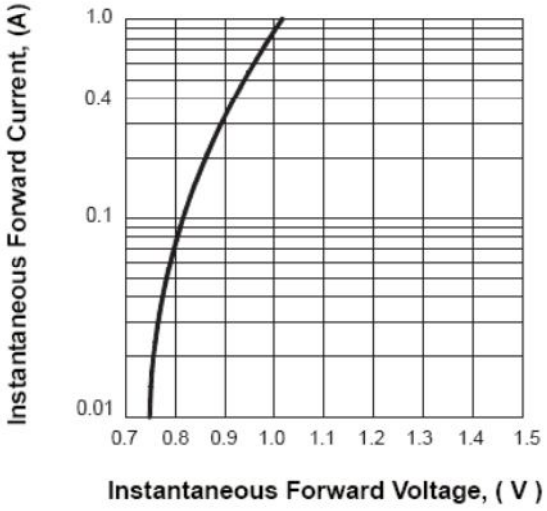


FIG.2 FORWARD DERATING CURVE

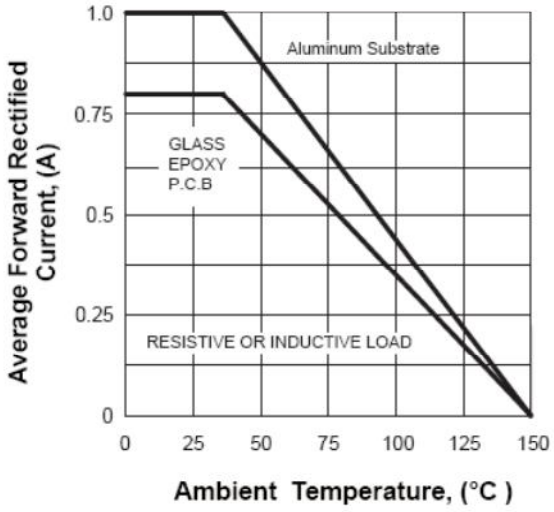


FIG.3 TYPICAL REVERSE CHARACTERISTICS

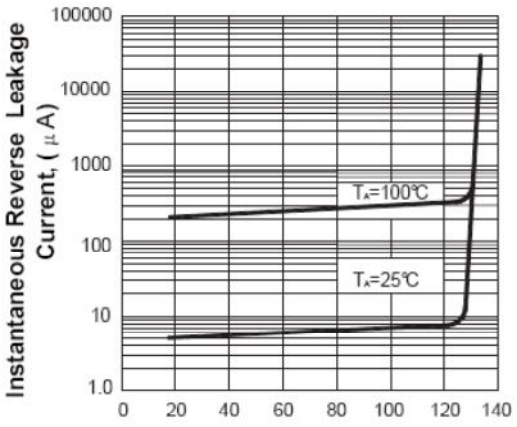
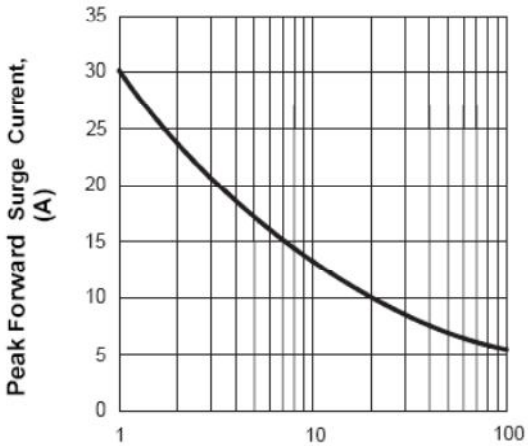
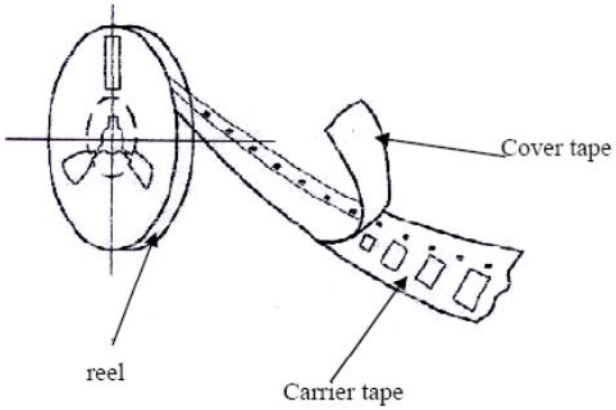


FIG.4 PEAK FORWARD SURGE CURRENT



Packing Illustration

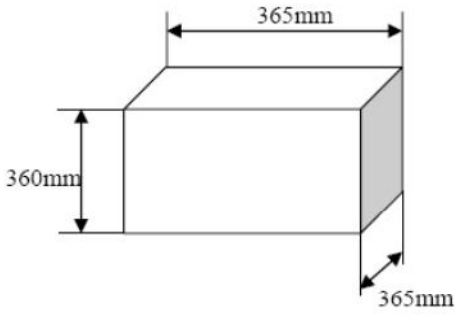
Taping packing



Dimension and quantity of reel taping:

Product outline	length (mm)	width (mm)	high (mm)	quantity (kpcs/box)
ABS	338	338	40	8k

Carton Dimension



Packing quantity:

Product outline	ABS
Innerbox/carton	8
Quantity/carton	64Kpcs