

VOLTAGE RANGE: 200 - 1000V

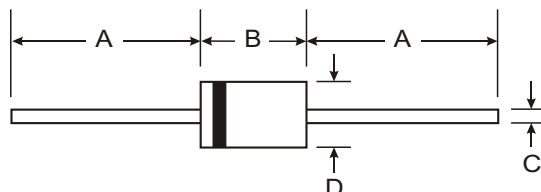
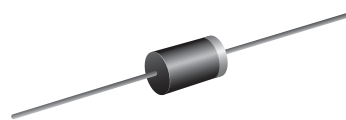
CURRENT: 1.0 A

Features

- Glass passivated
- High maximum operating temperature
- Low leakage current
- Excellent stability
- Guaranteed avalanche energy absorption capability

Mechanical Data

- Case: DO-41 Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: Cathode Band
- Weight: 0.34 grams (approx.)
- Mounting Position: Any
- Marking: Type Number



DO-41		
Dim	Min	Max
A	25.40	—
B	4.06	5.21
C	0.71	0.864
D	2.00	2.72
All Dimensions in mm		

Maximum Ratings and Electrical Characteristics $T_A = 25^\circ\text{C}$ unless otherwise specified

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	SBYV26A	SBYV26B	SBYV26C	SBYV26D	SBYV26E	Unit
Maximum recurrent 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 9.5 mm lead length, @T _A =75°C	I _{F(AV)}	1.0					A
Peak forward surge current 10ms single half-sine-wave superimposed on rated load @T _J =125°C	I _{FSM}	30.0					A
Maximum instantaneous forward voltage @ 1.0A	V _F	2.5					V
Maximum reverse current @T _A =25°C at rated DC blocking voltage @T _A =100°C	I _R	5.0 150.0					μA
Maximum reverse recovery time (Note1)	t _{rr}	30			75		ns
Typical junction capacitance (Note2)	C _J	45			40		pF
Typical thermal resistance (Note3)	R _{θJA}	100					°C/W
Operating junction temperature range	T _J	- 55 ----- + 150					°C
Storage temperature range	T _{STG}	- 55 ----- + 150					°C

NOTE: 1. Measured with $I_F = 0.5\text{A}$, $I_R = 1\text{A}$, $I_{rr} = 0.25\text{A}$.

2. Measured at 1MHz and applied reverse voltage of 4.0V DC.

3. Thermal resistance from junction to ambient.

FIG.1 – FORWARD DERATING CURVE

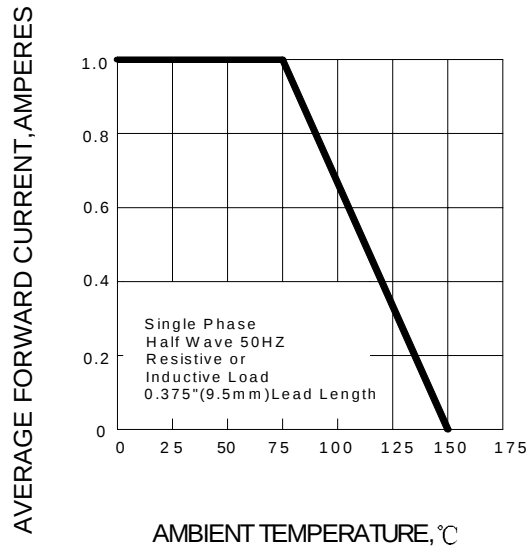


FIG.2 – TYPICAL FORWARD CHARACTERISTIC

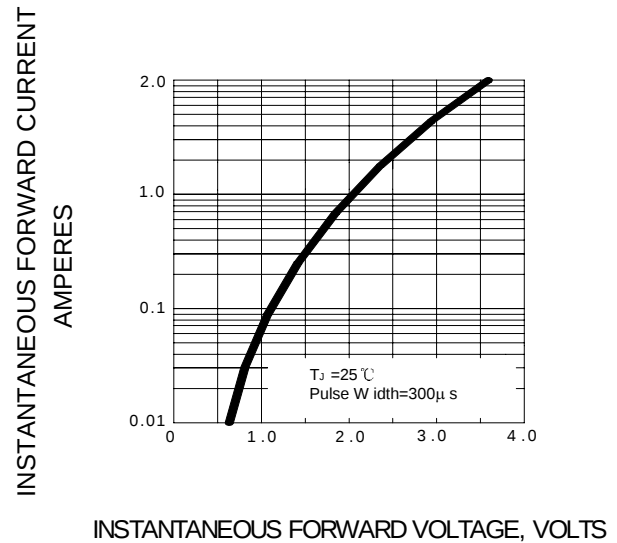


FIG.3 –PEAK FORWARD SURGE CURRENT

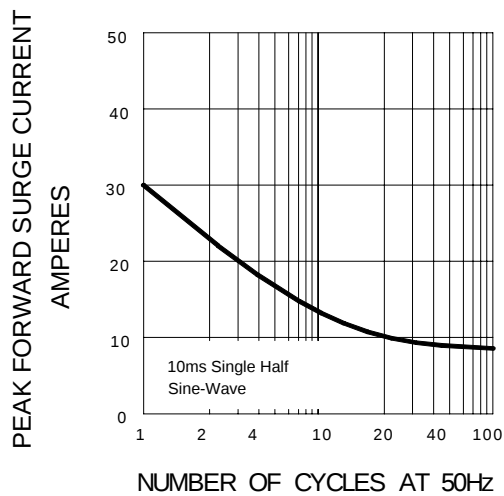
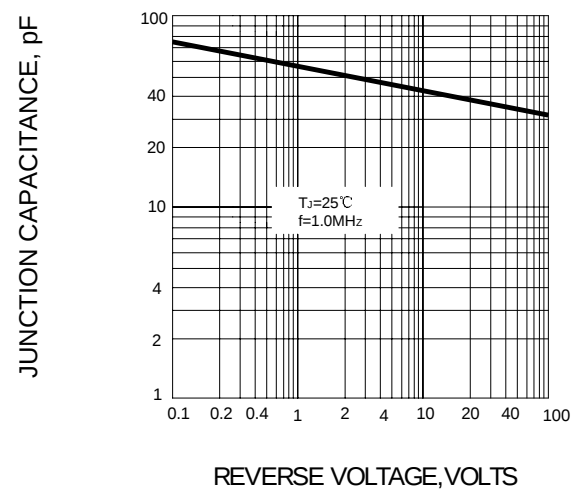


FIG.4 – TYPICAL JUNCTION CAPACITANCE



单击下面可查看定价，库存，交付和生命周期等信息

[>>SUNMATE\(森美特\)](#)