BYV26A~BYV26E

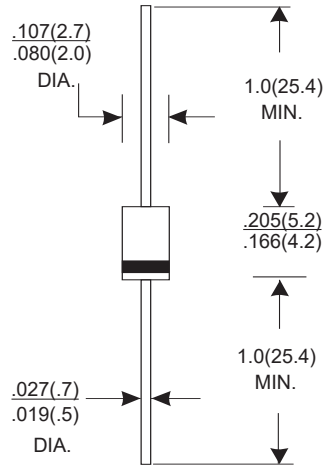
DO-41 PLASTIC SILICON RECTIFIERS

FEATURES

- ●Low cost
- ●Diffused junction
- ●Low leakage
- ●Low forward voltage drop
- ●High current capability
- ●Easily cleaned with alcohol,Isopropanol and similar solvents

MECHANICAL DATA

- ●Case: JEDEC DO-41,molded plastic
- ●Terminals: Axial lead ,solderable per MIL- STD-202,Method 208
- ●Polarity: Color band denotes cathode
- ●Weight: 0.012 ounces,0.34 grams
- ● Mounting position: Any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

		BYV26A	BYV26B	BYV26C	BYV26D	BYV26E	UNITS
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℃	$I_{F(AV)}$	1.0					A
Peak forward surge current 10ms single half-sine-wave superimposed on rated load @T_J=125℃	I_{FSM}	30.0					A
Maximum instantaneous forward voltage @ 1.0A	V_F	2.5					V
Maximum reverse current @T_A=25℃ at rated DC blocking voltage @T_A=100℃	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)	$R_{\theta JA}$	100					℃/W
Operating junction temperature range	T_J	- 55 ----- + 150					℃
Storage temperature range	T_{STG}	- 55 ----- + 150					℃

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

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

3. Thermal resistance from junction to ambient.

RATINGS AND CHARACTERISTIC CURVES

FIG.1 – FORWARD DERATING CURVE

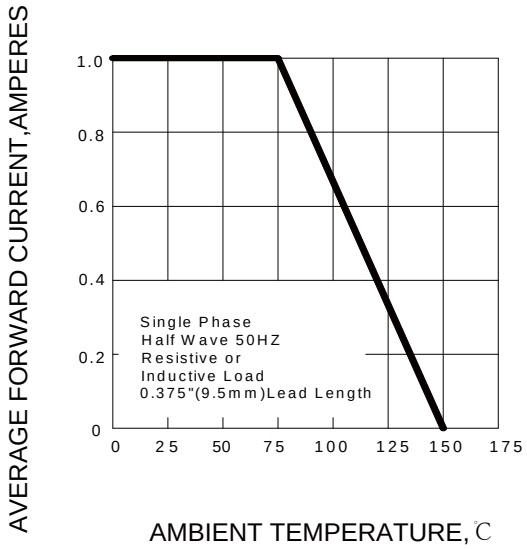


FIG.2 – TYPICAL FORWARD CHARACTERISTIC

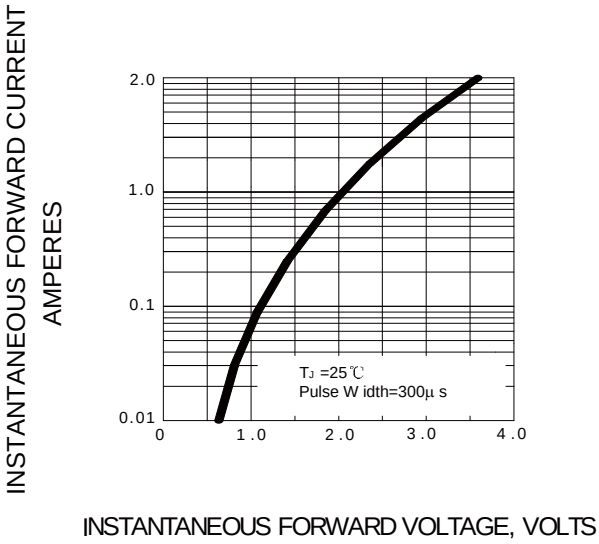


FIG.3 --PEAK FORWARD SURGE CURRENT

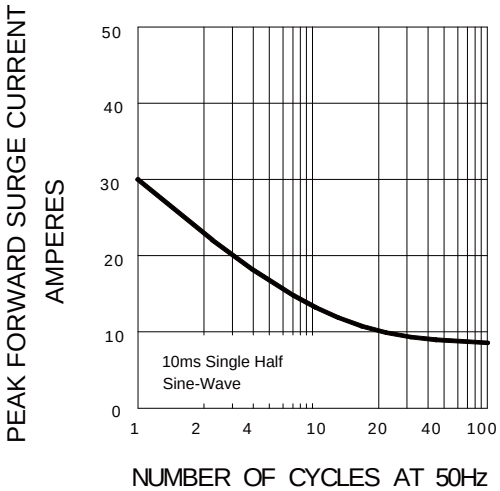


FIG.4 – TYPICAL JUNCTION CAPACITANCE