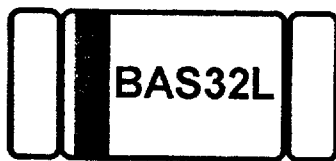


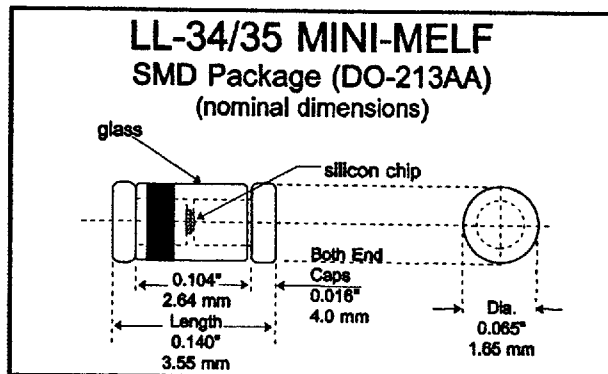
**MINI-MELF-SMD****Silicon Switching Diode****Hermetic Glass  
SOD-80 Outline**

## Applications

Used in general purpose applications, where performance, space and switching speed are important.

## Features

- Six sigma quality
- Metallurgically bonded
- BKC's Sigma Bond™ plating for problem free solderability
- Also comes in DO-35 glass package
- "S" level screening available to Source Control Drawings



Maximum Ratings	Symbol	Value	Unit
Peak Inverse Voltage	PIV	75 (Min.)	Volts
Average Rectified Current	$I_{Avg}$	200	mAmps
Continuous Forward Current	$I_{Fdc}$	200	mAmps
Peak Surge Current ( $t_{peak} = 1$ sec.)	$I_{peak}$	1.0	Amp
BKC Power Dissipation @ end cap $T = 50^\circ\text{C}$	$P_{tot}$	500	mWatts
Storage & Operating Temperature Range	$T_{St \& Op}$	-65 to +200	$^\circ\text{C}$

Electrical Characteristics @ $25^\circ\text{C}$	Symbol	Maximum Limits	Unit
Forward Voltage Drop @ $I_F = 100$ mA	$V_F$	1.0	Volts
Reverse Leakage Current @ $V_R = 20$ V	$I_R$	0.025	$\mu\text{A}$
Reverse Leakage Current @ $V_R = 75$ V	$I_R$	0.50	$\mu\text{A}$
Capacitance @ $V_R = 0$ V, $f = 1$ MHz	$C_T$	2.0	pF
Reverse Recovery time (note 1)	$t_{rr}$	4.0	nSecs

Note 1:  $I_F = I_R = 10$  mA,  $R_L = 100$  Ohms

**BAS32 DO-35 glass leaded parts also available in both commercial and Source Control military versions.**



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