

# Beam Lead Pin Diodes

The SemiGen SBL 2000 series Beam Lead Pin Diodes feature fast switching speeds at both low capacitance and resistance. Beam Lead Pin Diodes have high levels of mechanical strength and stability during assembly. These diodes are suitable for microstrip or stripline circuits as well as circuits requiring high isolation from a series of mounted diodes such as multi-throw switches, phase shifters, attenuators and modulators.

## Features:

- Fast Switching Speed
- Low Capacitance/Resistance
- Rugged Construction



## Packages:

Beam Lead

$V_B$ @ 10 $\mu$ MIN 1MHz (V)	$C_j$ -10 Vdc MAX (pF)	$R_s$ 10 mA MAX (Ohms)	$R_s$ 50 mA MAX (Ohms)	$T_f$ 6 mA/10 mA TYP (nS)	$T_s$ 20%-80% MAX (nS)	Part Number
100	.020	6.5	4.0	80	5	SBL2000-12
100	.027	6.0	3.5	80	5	SBL2001-12
100	.030	5.5	3.2	80	5	SBL2002-12
100	.035	5.0	2.9	80	5	SBL2003-12
100	.040	5.0	2.7	80	5	SBL2004-12
100	.048	5.0	2.5	80	5	SBL2005-12
50	.025	6.0	3.7	50	3	SBL2006-12
50	.030	5.0	3.5	50	3	SBL2007-12
50	.040	4.5	2.9	50	3	SBL2008-12

Operating Temperature	Storage Temperature	Power Dissipation @ 25° C	Typical Lead Strength
-55° C to +150° C	-65° C to +200° C	250 mW	6 grams