

BKC INTERNATIONAL ELECTRONICS, INC.  
 6 LAKE STREET, LAWRENCE, MA 01841  
 TEL NO. (508) 681-0392

TYPE  
 BKC600  
 SILICON EPITAXIAL PLANAR DIODE  
 FOR HIGH SPEED SWITCHING APPLICATION

## ABSOLUTE MAXIMUM RATINGS

PEAK REVERSE VOLTAGE	75V
RECTIFIED CURRENT (AVERAGE)	200mA
SURGE CURRENT @ T<1 SEC., TA= 25C	1A
POWER DISSIPATION	500mW
JUNCTION TEMPERATURE	200 DEGREES CELSIUS
OPERATING TEMPERATURE	200 DEGREES CELSIUS
STORAGE TEMPERATURE	-65 TO +200 DEGREES CELSIUS

## CHARACTERISTICS

PARAMETER	VF	VF	VF	VF	VF	IR	IR	PIV
COND	1mA	10mA	50mA	100mA	200mA	50V	50V	5uA
TA	25C	25C	25C	25C	25C	25C	150C	25C
LIMIT								
MIN	0.54V	0.66V	0.76V	0.82V	0.87V	----	----	75V
MAX	0.62V	0.72V	0.86V	0.92V	1.0V	100nA	100uA	----

PARAMETER	C(1)	Trr(1)	Trr(2)	
COND	0V	10-200mA	200mA-400mA	
TA	25C	25C	25C	
LIMIT	2.5Pf	4nS*	6nS*	*IR REC. = 0.1 IF

## PACKAGE CONFIGURATION

GLASS CASE JEDEC DO-35  
 (INCHES)  
 LEAD DIAMETER .018-.022  
 BODY DIAMETER .075 MAX  
 LEAD LENGTH 1.194 MAX  
 BODY DIAMETER .150 MAX

## MARKING

BLACK CATHODE BAND & BLACK DIGITAL PRINT