

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

## ENGINEERING DATA SHEET

1N270JTXV

GOLD BONDED, GERMANIUM, DIODE

-----  
ABSOLUTE MAXIMUM RATINGS

PEAK REVERSE VOLTAGE ( $V_r$ )	100V(PK)
WORKING INVERSE VOLTAGE (VRM)	80V(PK)
RECURRENT PEAK FORWARD (60 CYCLES, 1/2 WAVE)	60mA
FORWARD CURRENT	325mA
SURGE CURRENT (1/120 SECOND)	1A
DERATE ABOVE + 25 DEGREES CELSIUS	0.923mA/DEGREES CELSIUS
OPERATING & STORAGE TEMPERATURE	-65 TO +100 DEGREES CELSIUS

-----  
CHARACTERISTICS

PARAMETER	VF	VF	IR	IR	IR	IR
COND	10mA	200mA	20V	80V	100V	10V
TA	25C	25C	25C	25C	25C	75C
LIMITS						
MAX.	.500V	1.0V	10uA	100uA	1mA	75uA

-----  
PACKAGE CONFIGURATIONGLASS CASE JEDEC DO-7  
(INCHES)

LEAD LENGTH	1.000 TO 1.500
LEAD DIAMETER	.018 TO .022
BODY LENGTH	.230 TO .300
BODY DIAMETER	.085 TO .130

-----  
MARKING

BLACK CATHODE BAND &amp; BLACK DIGITAL PRINT

-----  
 SPECIAL FEATURES: ALL DEVICES HAVE BEEN SUBJECTED TO & PASSED, AS  
 APPLICABLE, ALL THE SCREENING TESTS AS SPECIFIED IN  
 MIL-S-19500/200B & TABLE 11 OF MIL-S-19500.  
 -----