

CentralTM Semiconductor Corp.

145 Adams Avenue, Hauppauge, NY 11788 USA
Tel: (631) 435-1110 • Fax: (631) 435-1824

Manufacturers of World Class Discrete Semiconductors

1N771, A 1N773, A
1N772, A 1N774, A
 1N775

GERMANIUM DIODE

JEDEC DO-7 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR 1N771 series types are gold bonded germanium diodes mounted in a hermetically sealed glass case, designed for general purpose applications. Special devices with a higher breakdown voltage and/or lower leakage limits are available upon special order.

MAXIMUM RATINGS (TA=25°C)

	SYMBOL	1N771	1N771A	1N772	1N772A	1N773	1N773A	1N774	1N774A	1N775	UNIT
Peak Reverse Voltage	VRRM	100	100	80	80	75	75	70	70	70	V
DC Forward Current	IF	100	200	100	200	100	200	100	200	100	mA
Peak Forward Current	IFM					350					mA
†Peak Forward Surge Current (1.0s)	IFSM					500					mA
††Power Dissipation Operating and Storage Junction Temperature	PD					80					mW
	TJ, TSTG					-65 to +100					°C

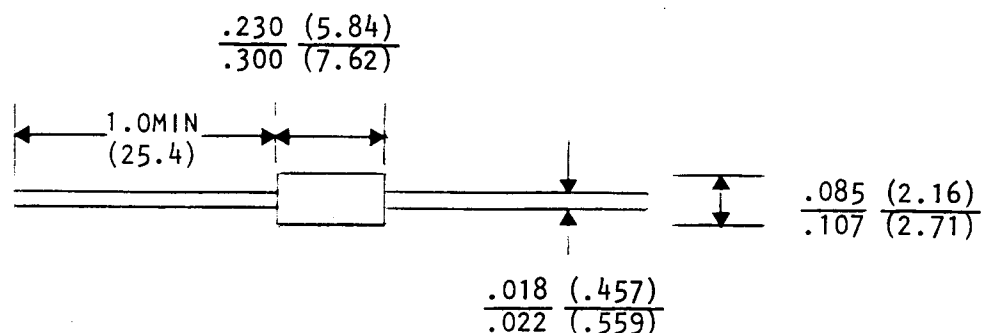
†Non-recurrent

††Derate above 25°C 10mW/10°C

ELECTRICAL CHARACTERISTICS (TA=25°C)

TYPE	MAX IR @ 50V	MAX IR @ 10V	MIN BVR @ 1.0mA	MAX VF @ 100mA	MAX VF @ 200mA
1N771	25µA	-	100V	1.0V	-
1N771A	25µA	-	100V	-	1.0V
1N772	50µA	-	80V	1.0V	-
1N772A	50µA	-	80V	-	1.0V
1N773	-	10µA	75V	1.0V	-
1N773A	-	10µA	75V	-	1.0V
1N774	-	15µA	70V	1.0V	-
1N774A	-	15µA	70V	-	1.0V
1N775	-	20µA	70V	1.0V	-

OUTLINE DRAWING:



DIMENSIONS IN INCHES (MILLIMETERS)