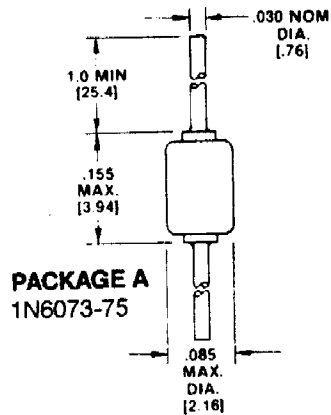


ULTRA FAST  
POWER RECTIFIERS

1N6073  
thru  
1N6081

FEATURES

- Triple layer passivation.
- Metallurgically bonded.
- Ultra fast recovery.
- Voidless hermetically sealed glass package.



MAXIMUM RATINGS

Operating Temperature:  $-65^{\circ}\text{C}$  to  $+155^{\circ}\text{C}$ .  
Storage Temperature:  $-65^{\circ}\text{C}$  to  $+155^{\circ}\text{C}$ .

ELECTRICAL CHARACTERISTICS

(@  $25^{\circ}\text{C}$  unless otherwise specified)

TYPE	PEAK INVERSE VOLTAGE $V_{PIV}$	FORWARD VOLTAGE $V_f$ (PULSED)	AVERAGE RECTIFIED CURRENT $I_f$	REVERSE CURRENT $I_R$ @ $V_{PIV}$	REVERSE RECOVERY TIME $t_{rr}$	SURGE CURRENT $I_f$ (SURGE)
	VOLTS	VOLTS	AMPS	$\mu\text{A}$	ns	AMPS
1N6073	50	2.04	3.0	1.0	30	35
1N6074	100	2.04	3.0	1.0	30	35
1N6075	150	2.04	3.0	1.0	30	35
1N6076	50	1.76	6.0	5.0	30	75
1N6077	100	1.76	6.0	5.0	30	75
1N6078	150	1.76	6.0	5.0	30	75
1N6079	50	1.50	12.0	10.0	30	175
1N6080	100	1.50	12.0	10.0	30	175
1N6081	150	1.50	12.0	10.0	30	175

\*NOTE:  $I_F = 0.5\text{A}$ ,  $I_R = -1.0\text{A}$  and  $I_{RR} = -0.25\text{A}$

MECHANICAL CHARACTERISTICS

Case: Hermetically sealed hard glass.  
Lead Material: 1N6073-75 — Tinned copper.  
1N6076-78 — Tinned copper or silver-clad copper.  
1N6079-81 — Tinned copper or silver-clad copper.  
Marking: Body painted, alpha numeric.  
Polarity: Cathode band.

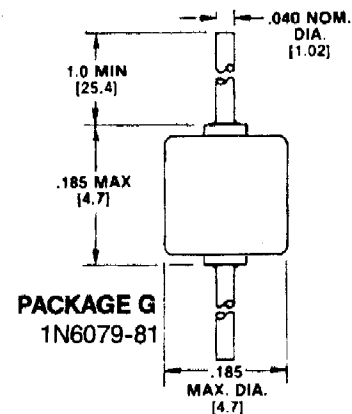
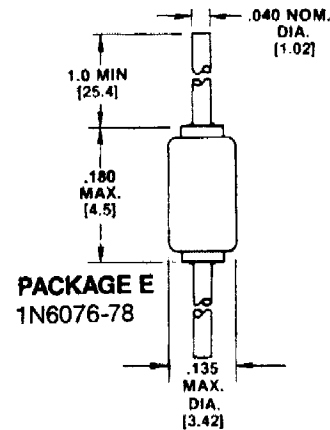


FIGURE 1 7-53

