



High Conductance Ultra Fast Diode

1N4454

ABSOLUTE MAXIMUM RATINGS

(T_A = 25°C unless otherwise noted) (Notes 1, 2, 3)

Symbol	Rating	Value	Unit
W _{IV}	Working Inverse Voltage	50	V
I _O	Average Rectified Current	200	mA
I _F	DC Forward Current	400	mA
i _f	Recurrent Peak Forward Current	600	mA
i _{FSM}	Peak Forward Surge Current	1.0 4.0	A
T _J	Operating Junction Temperature	-65 to +200	°C
T _J	Operating Junction Temperature	175	°C

Stresses exceeding those listed in the Maximum Ratings table may damage the device. If any of these limits are exceeded, device functionality should not be assumed, damage may occur and reliability may be affected.

1. These ratings are limiting values above which the serviceability of any semiconductor devices may be impaired.
2. These ratings are based on a maximum junction temperature of 200°C.
3. These are steady limits. The factory should be consulted on applications involving pulsed or low duty cycle operations.

THERMAL CHARACTERISTICS

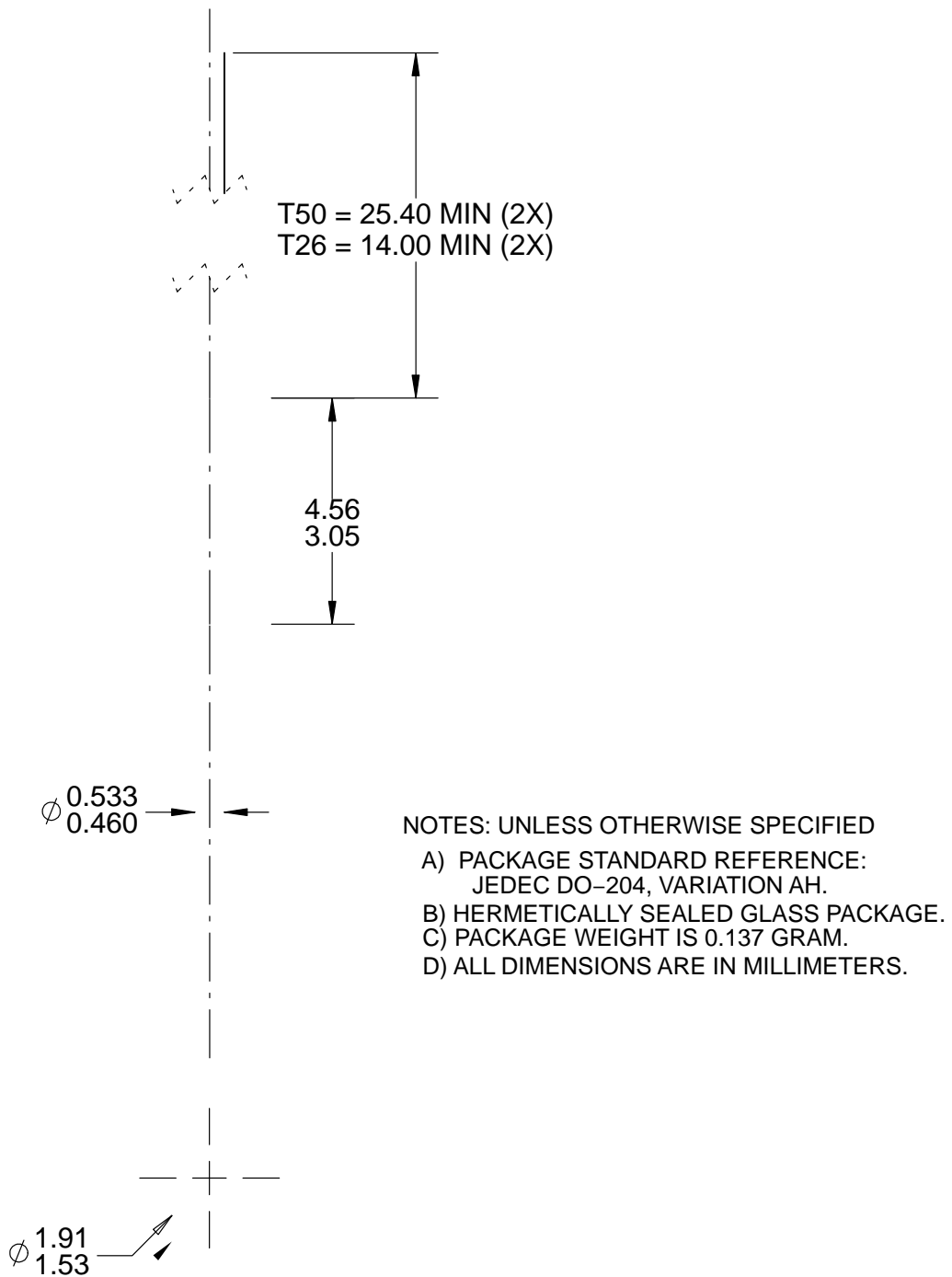
Symbol	Parameter	Max	Unit
P _D	Total Power Dissipation Derate above 25		





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