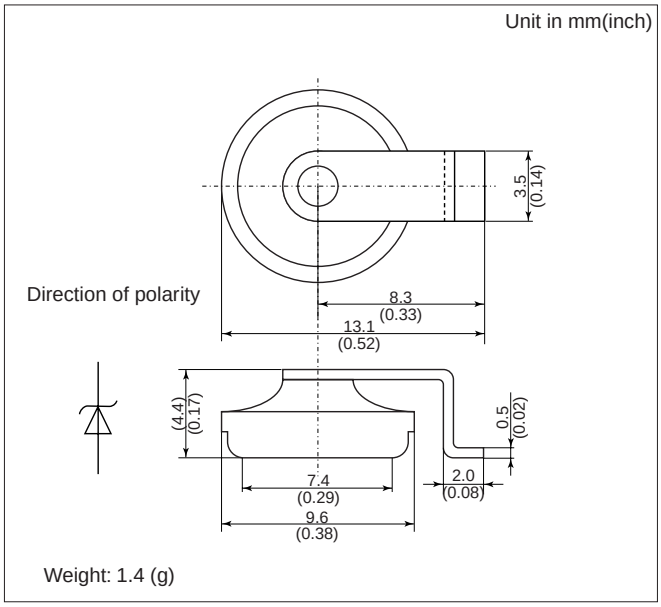
HB5A27V

FEATURES

- High transient reverse power capability suitable for protecting automobile electronic components etc.

OUTLINE DRAWING



ABSOLUTE MAXIMUM RATINGS

Items	Symbols	Units	Ratings
Non-Repetitive Peak Reverse One-Cycle Dissipation	P_{RSM}	W	3,000(Rectangular pulse t=1ms T_i=25°C start)
Non-Repetitive Peak Reverse Surge Current	I_{RSM}	A	62(Time constant=14.5ms, T_L=25°C)
DC Reverse Voltage	V_{DC}	V	18
Operating Junction Temperature	T_j	°C	-40 ~ +150
Storage Temperature	T_{stg}	°C	-40 ~ +150

CHARACTERISTICS(T_L=25°C)

Items	Symbols	Units	Min.	Typ.	Max.	Test Conditions
Zener Voltage	Vz	V	24	27	30	Iz=10mA
Dynamic Impedance	Zz	Ω	-	-	50	Iz=10mA
Zener Voltage Temperature Coefficient	γ_z	%/°C	-	0.074	-	Iz=10mA
Peak Forward Voltage	V_{FM}	V	-	-	1.2	I_{FM}=6A
Peak Reverse Current	I_{RRM}	μA	-	-	50	V_R=18V

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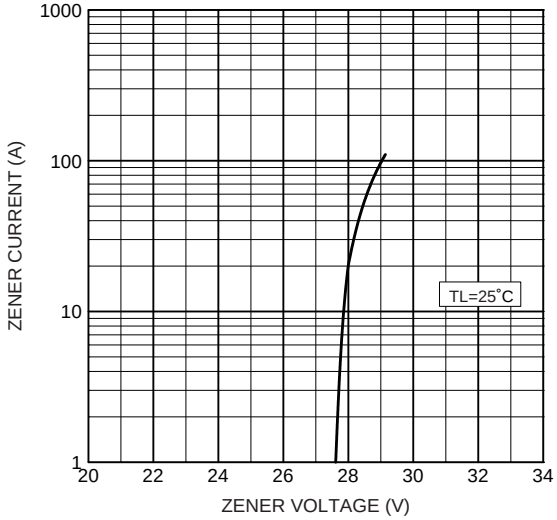
Typical zener characteristics



Typical reverse power characteristic
(Rectangular pulse non-repetitive)