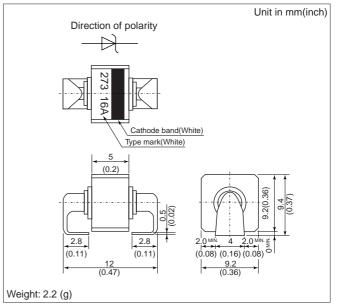


FEATURES

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

OUTLINE DRAWING



ABSOLUTE MAXIMUM RATINGS

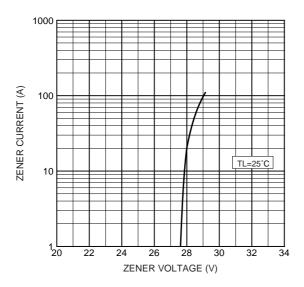
Items	Symbols	Units	Ratings		
Non-Repetitive Peak Reverse One- Cycle Dissipation	P _{RSM}	W	3,000(Rectangular pulse t=1ms T_i =25°C start)		
Non-Repetitive Peak Reverse Surge Current	I _{RSM}	А	62(Time constant=14.5ms, T _L =25°C)		
DC Reverse Voltage	V _{DC}	V	18		
Operating Junction Temperature	Tj	°C	-40 ~ +150		
Storage Temperature	T _{stg}	°C	-40 ~ +150		

CHARACTERISTICS(T_L=25°C)

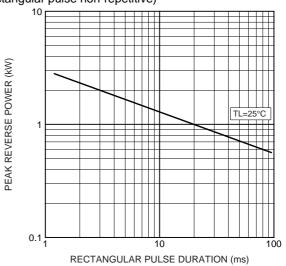
Items	Symbols	Units	Min.	Тур.	Max.	Test Conditions
Zener Voltage	Vz	V	24	27	30	Iz=10mA
Dynamic Impedance	Zz	Ω	-	-	50	Iz=10mA
Zener Voltage Temperature Coefficient	γ_z	%/°C	-	0.074	-	Iz=10mA
Peak Forward Voltage	V _{FM}	V	-	-	2	I _{FM} =6A
Peak Reverse Current	I _{RRM}	μA	-	-	50	V _R =18V

ZSA5MA27

Typical zener characteristics



Typical reverse power characteristic (Rectangular pulse non-repetitive)



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HITACHI POWER SEMICONDUCTORS

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