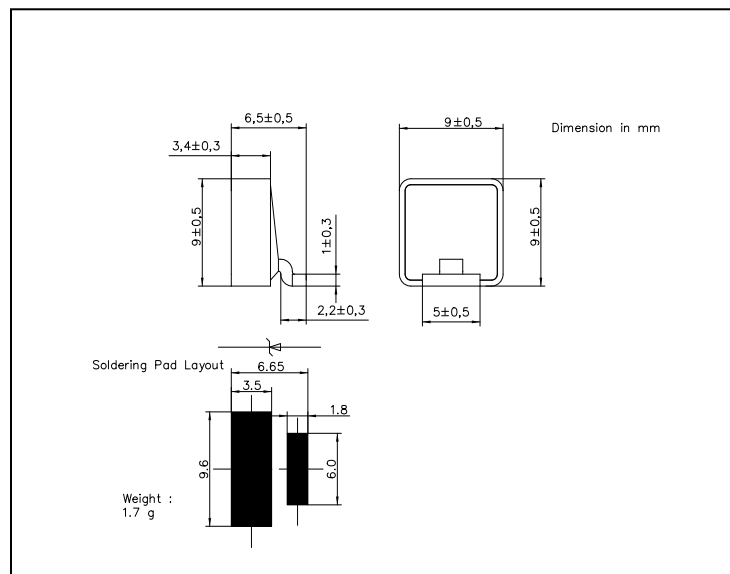


SURGE SUPPRESSOR DODE

FEATURES

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

OUTLINE DRAWING



ABSOLUTE MAXIMUM RATINGS

Items	Symbols	Units	Ratings
Non-Repetitive Peak Reverse One-Cycle Dissipation	P_{RSM}	W	4,300 (Rectangular pulse $t=1ms$ $T_j=25^{\circ}C$ start)
Non-Repetitive Peak Reverse Surge Current	I_{RSM}	A	200 (Exponential waveform. See Fig. 1, $T_j=25^{\circ}C$ start)
DC Reverse Voltage	V_{DC}	V	12
Operating Junction Temperature	T_j	$^{\circ}C$	-40 ~+150
Storage Temperature	T_{stg}	$^{\circ}C$	-40 ~+150

CHARACTERISTICS ($T_L=25^{\circ}C$)

Items	Symbols	Units	Min.	Typ.	Max.	Test Condition
Zener Voltage	V_Z	V	13.0	14.0	15.0	$I_Z=10mA$
Dynamic Impedance	Z_Z	Ω	-	-	50	$I_Z=10mA$
Zener Voltage Temperature Coefficient	α	%/ $^{\circ}C$	-	0.065	-	$I_Z=10mA$
Peak Forward Voltage	V_{FM}	V	-	-	1.2	$I_{FM}=6A$
Peak Reverse Current	I_{RRM}	μA	-	-	10	$V_R=12V$

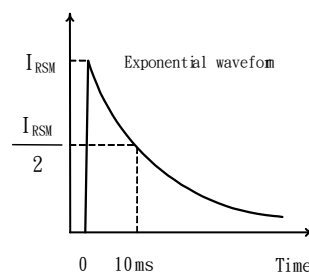
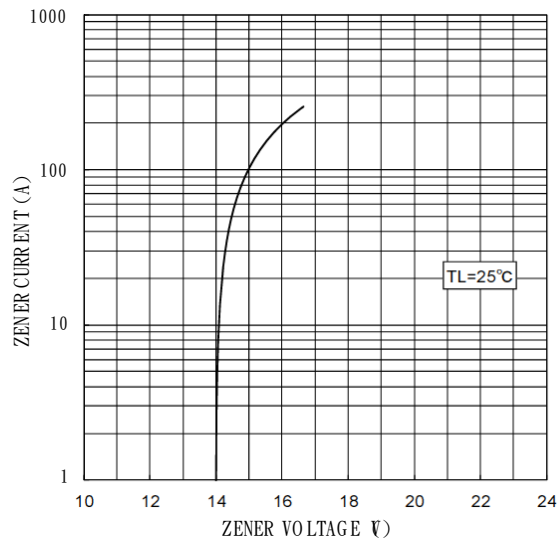


Figure 1. I_{RSM} waveform

FZSH5MV14

Typical zener characteristics



Typical reverse power characteristics
(Rectangular pulse non-reptitive)

