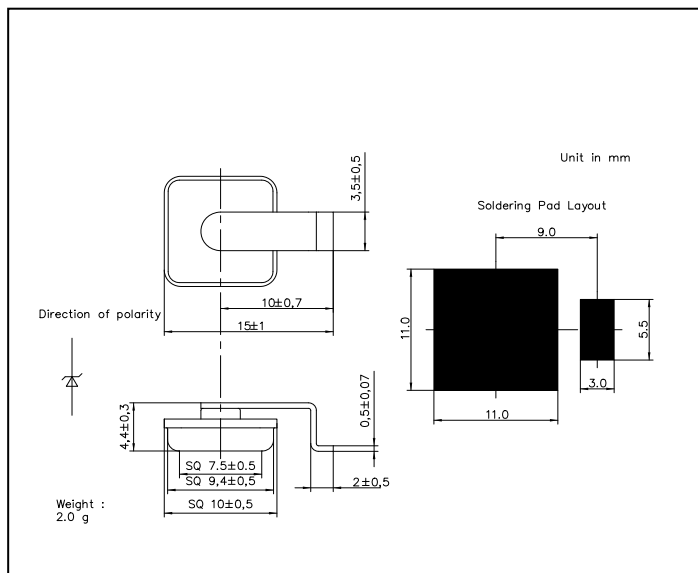


SURGE SUPPRESSOR DIODE

FEATURES

- High transient reverse power capability suitable for Load Dump Surge protecting for automobile electronic components etc.
- JEDEC DO-218 soldering pad Layout compatible.

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	90(Exponential waveform. See Fig.1, $T_J=25^{\circ}C$ start)
DC Reverse Voltage	V_{DC}	V	22
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 Conditions
Zener Voltage	V_Z	V	24.0	27.0	30.0	$I_Z=10mA$
Dynamic Impedance	Z_Z	Ω	-	-	50	$I_Z=10mA$
Zener Voltage Temperature Coefficient	γ_Z	$\%/^{\circ}C$	-	0.081	-	$I_Z=10mA$
Peak Forward Voltage	V_{FM}	V	-	-	1.2	$I_{FM}=6A$
Peak Reverse Current	I_{RRM}	μA	-	-	10	$V_R=22V$

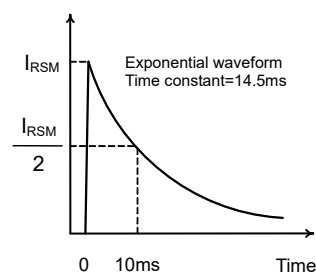
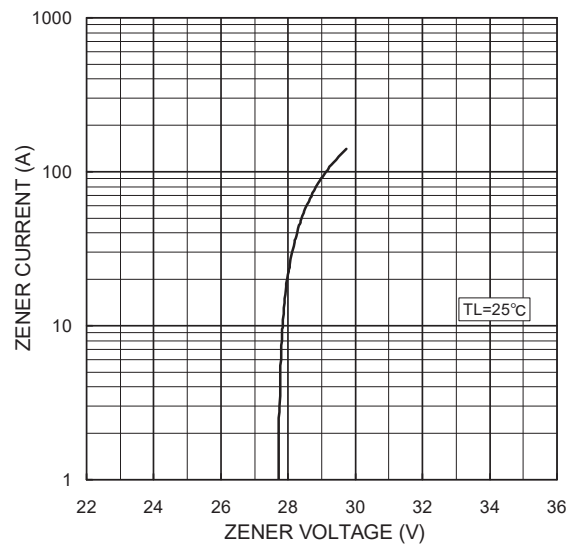


Figure 1. I_{RSM} waveform

FZSH5MT27(Z)

Typical zener characteristics



Typical reverse power characteristics
(Rectangular pulse non-repetitive)

