# Zener diode

# **STZ5.6N**

## Applications

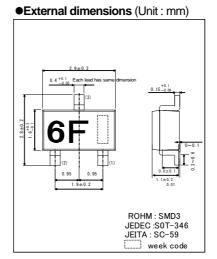
Voltage regulation (Anode common twin type)

## ● Features

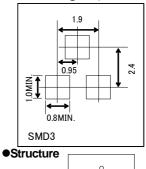
- 1) Small mold type. (SMD3)
- 2) High reliability.

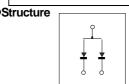
#### Construction

Silicon epitaxial planar

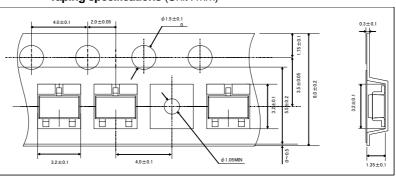


●Land size figure (Unit : mm)





● Taping specifications (Unit: mm)



# ● Absolute maximum ratings (Ta=25°C)

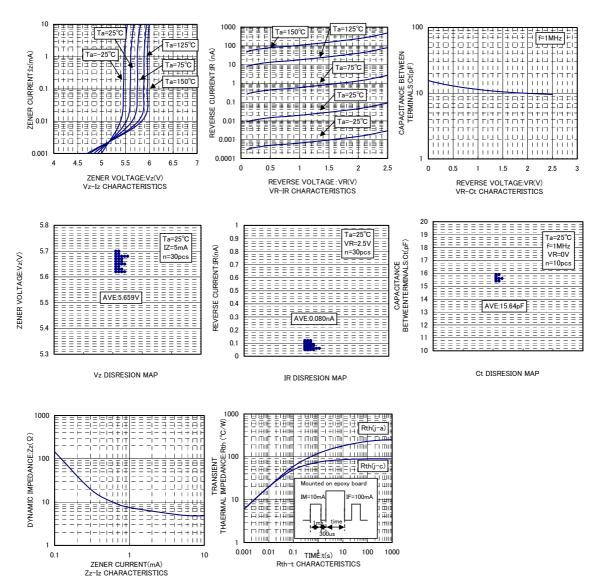
Parameter	Symbol	Limits	Unit
Power dissipation (*1)	Р	200	m W
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

<sup>(\*1)</sup> Total of 2 elements

# ●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Zener voltage	$V_Z$	5.31	-	5.92	V	I <sub>Z</sub> =5mA
Reverse current	I <sub>R</sub>	-	-	1.00	μΑ	V <sub>R</sub> =2.5V
Dynamic impedance	$Z_Z$	-	-	60	Ω	I <sub>Z</sub> =5mA
Rising operation resistance	$Z_{Zk}$	-	-	200	Ω	I <sub>Z</sub> =0.5mA

# ●Electrical characteristic curves (Ta=25°C)



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