Zener diode

UMZ12N

Application

Voltage regulation (Anode common twin type)

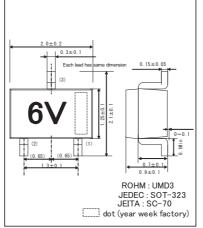
● Features

- 1) Small mold type. (UMD3)
- 2) High reliability.

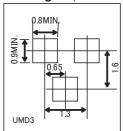
Structure

Silicon epitaxial planar

●External dimensions (Unit : mm)



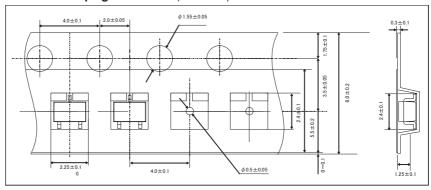
●Lead size figure (Unit : mm)



Structure



● Taping dimensions (Unit: mm)



● Absolute maximum ratings (Ta=25°C)

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

^(*1)Total of 2 elements

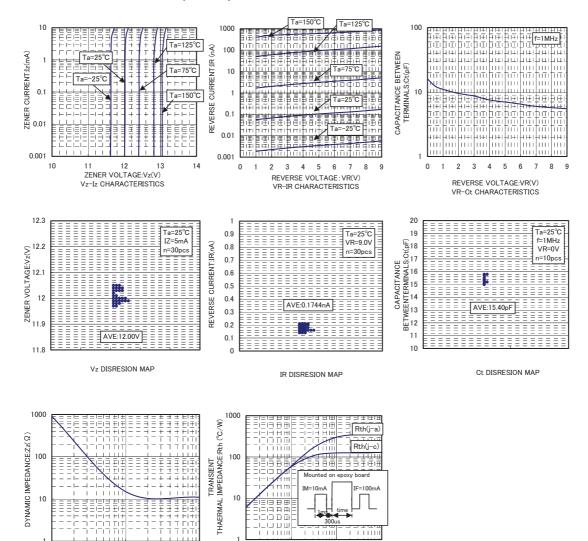
●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Zener voltge	V_Z	11.0	-	13.0	V	I _Z =5mA
Reverse current	I _R	-	-	0.10	μΑ	$V_R=9V$
Forwad operating resistance	Z_Z	-	-	30	Ω	I _Z =5mA
Rising operating resistance	Z_{Zk}	1	-	80	Ω	I _Z =0.5mA

0.1

ZENER CURRENT(mA) Zz-Iz CHARACTERISTICS 10

●Electrical characteristic curves (Ta=25°C)





TIME:t(s) Rth-t CHARACTERISTICS

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