Zener diode UMZ16N

Applications

Voltage regulation (common anode configuration)

Features

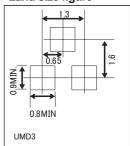
- 1) Small mold type. (UMD3)
- 2) High reliability

Construction

Silicon epitaxial planar

External dimensions (Unit : mm) 2 0 ± 0 .2 0 .3 ± 0 .1 Each lead has hame dimension 0 .15 ± 0 .05 ROHM : UMD3 JEDEC : SOT – 323 JEITA : SC – 70 dot (year week factory)

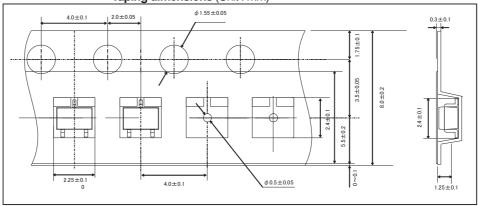
●Land size figure



Structure







● Absolute maximum ratings (Ta=25°C)

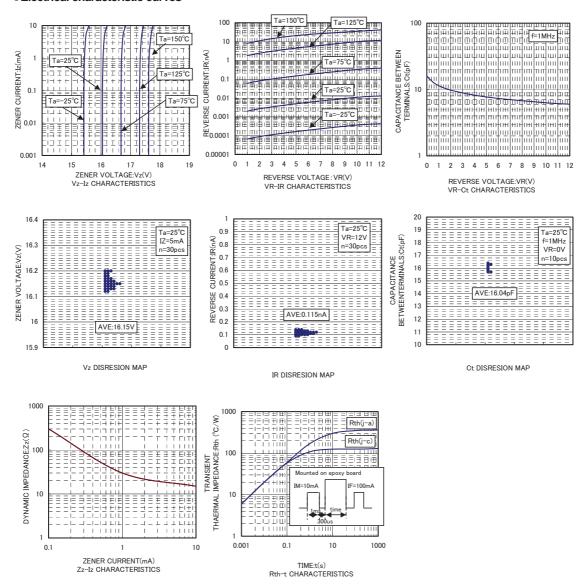
Parameter	Symbol	Limits	Unit			
Power dissipation (*1)	Р	200	m W			
Junction temperature	Tj	150	°C			
Storage temperature	Tstg	-55 to +150	°C			

^(*1) Rating of per diode

●Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Zener voltage	V _Z	15.85	-	16.51	V	I _Z =5mA
Reverse current	I _R	-	-	0.10	μA	V _R =12V
Dinamic impedance	Z_Z	-	-	50	Ω	$I_Z=5mA$
Zener impedance	Z_{Zk}	-	-	80	Ω	$I_Z=0.5$ m A

•Electrical characteristic curves



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