Switching diode

DAN202U

Application

Ultra high speed switching

Features

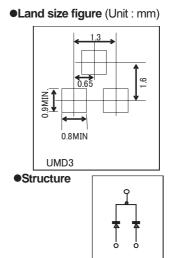
- 1) Small mold type (UMD3).
- 2) High reliability.

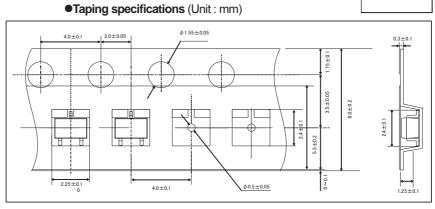
Construction

Silicon epitaxial planar

© External dimensions (Unit : mm) 2.0±0.2 1.3±0.1 1.3±0.1 ROHM: UMD3 JEDEC: SOT-323 JEITA: SC-70

dot (year week factory)



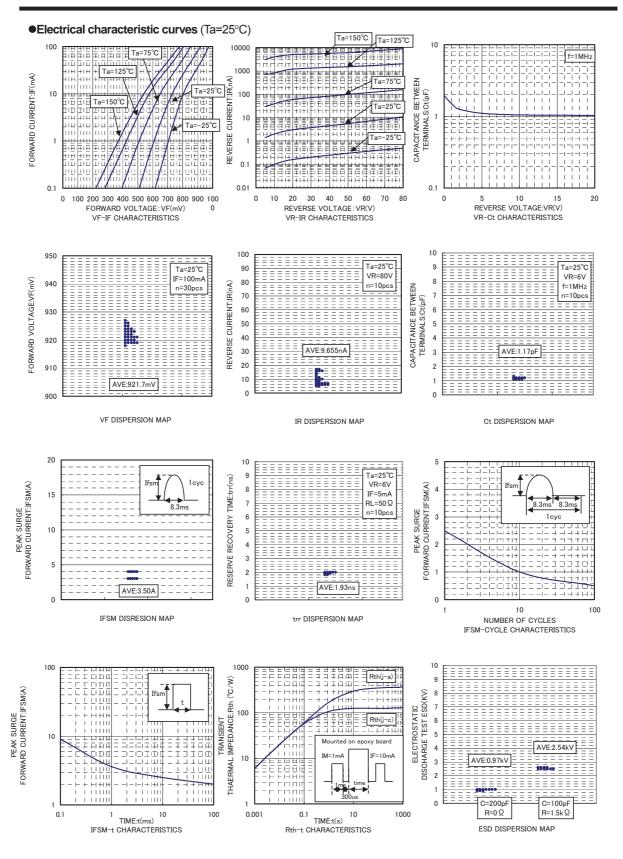


● Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	80	V
Reverse voltage (DC)	V _R	80	V
Forward current (Single)	I _{FM}	300	mA
Average rectified forward current (Single)	lo	100	mA
Surge current (t=1us)	I _{surge}	4	Α
Power dissipation	Pd	200	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V_{F}	-	-	1.2	V	I _F =100mA
Reverse current	I _R	-	-	0.1	μΑ	V _R =70V
Capacitance between terminal	Ct	-	-	3.5	pF	V _R =6V , f=1MHz
Reverse recovery time	trr	-	-	4	ns	V_R =6V , IF=5mA , RL=50 Ω



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