Switching diode

Applications

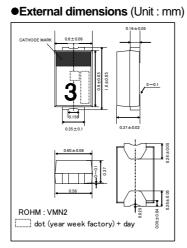
High speed switching

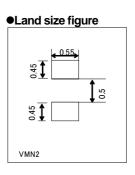
Features

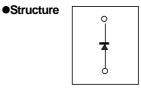
Ultra small mold type. (VMN2)
High reliability

Construction

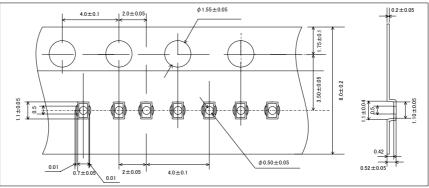
Silicon epitaxial planer







•Taping dimensions (Unit : mm)



•Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V _{RM}	90	V
Reverse voltage (DC)	V _R	80	V
Forward voltage(DC)	I _{FM}	225	mA
Average rectified forward current	lo	100	mA
Surge current (t=1s)	I _{surge}	500	mA
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

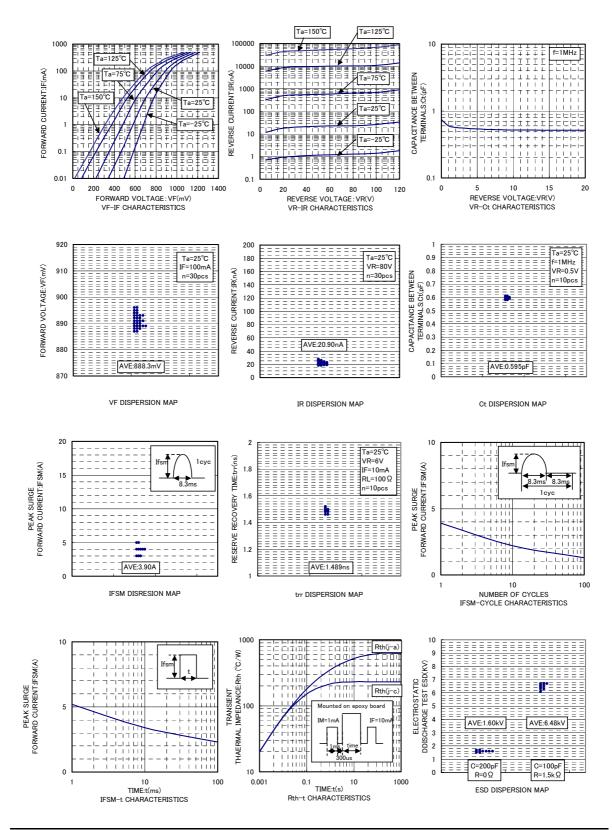
•Electrical characteristic (Ta=25°C) (* Per chip)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	1.2	V	I _F =100mA
Reverse current	I _R	-	-	0.1	μA	V _R =80V
Capacitance between terminal	Ct	-	-	3.0	pF	V _R =0.5V , f=1MHz
Reverse recovery time	trr	-	-	4.0	ns	$V_R=6V$, IF=10mA, RL=100 Ω



Diodes

Electrical characteristic curves



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