IMN₁₀

Diodes

Switching diode IMN₁₀

Application

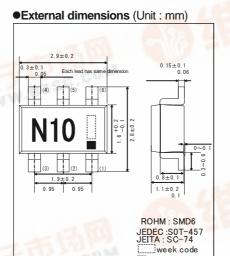
Ultra high speed switching

Features

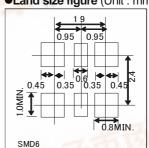
- 1) Small mold type. (SMD6)
- 2) High reliability

Construction

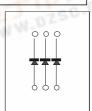
Silicon epitaxial planar



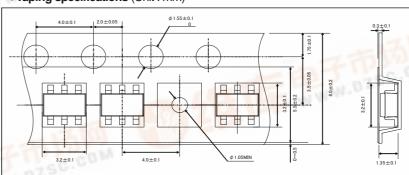
●Land size figure (Unit : mm)



Structure



● Taping specifications (Unit: mm)



●Absolute maximum ratings (Ta=25°C)

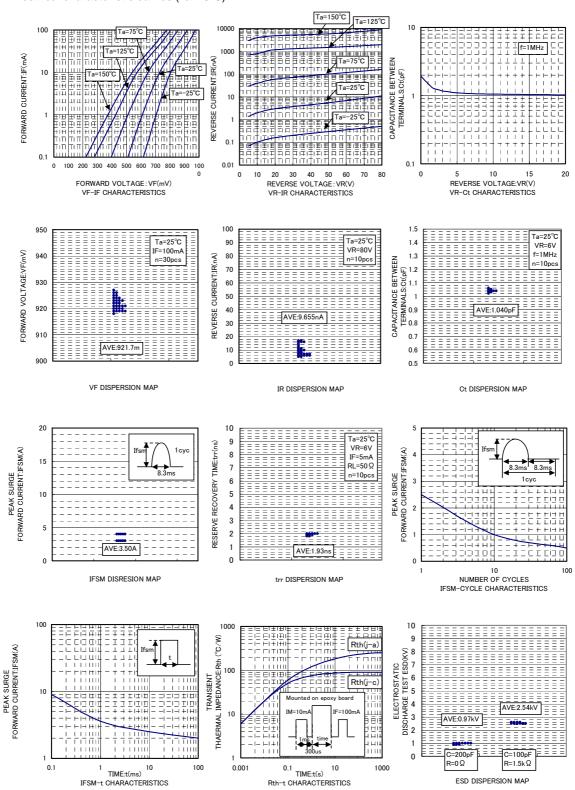
3-(
Parameter	Symbol	Limits	Unit				
Reverse voltage (repetitive peak)	V_{RM}	80	V				
Reverse voltage (DC)	V_R	80	V				
Forward current (Single)	I _{FM}	300	mA				
Forward current (Double)	I _{FM}	450	mA				
Average rectified forward current (single)	lo	100	mA				
Surge current (t=1us)	I _{surge}	4	Α				
Power dissipation (TOTAL)(*1)	Pd	300	mW				
Junction temperature	Tj	150	°C				
Storage temperature	Tstg	-55 to +150	°C				

^(*1) Not exceed 200mW per element.

(*1) Not exceed 200mW per elem	ent.	V	C07					
●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 terminals	Ct	-	-	3.5	pF	V _R =6V , f=1MHz		
Reverse recovery time	trr	-	-	4	ns	V_R =6V , IF=5mA , RL=50 Ω		



●Electrical characteristic curves (Ta=25°C)



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