UMN10N

Diodes

Switching diode UMN10N

Applications

Very fast recovery

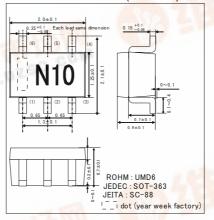
Features

- 1) Small mold type. (UMD6)
- 2) High reliability

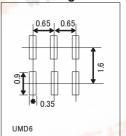
Construction

Silicon epitaxial planer

●External dimensions (Unit : mm)



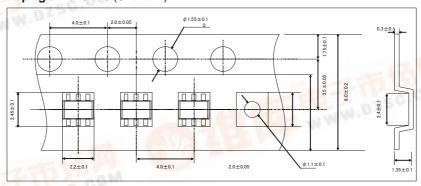
●Land size figure



Structure



●Taping dimensions (Unit: mm)



● Absolute maximum ratings (Ta=25°C)

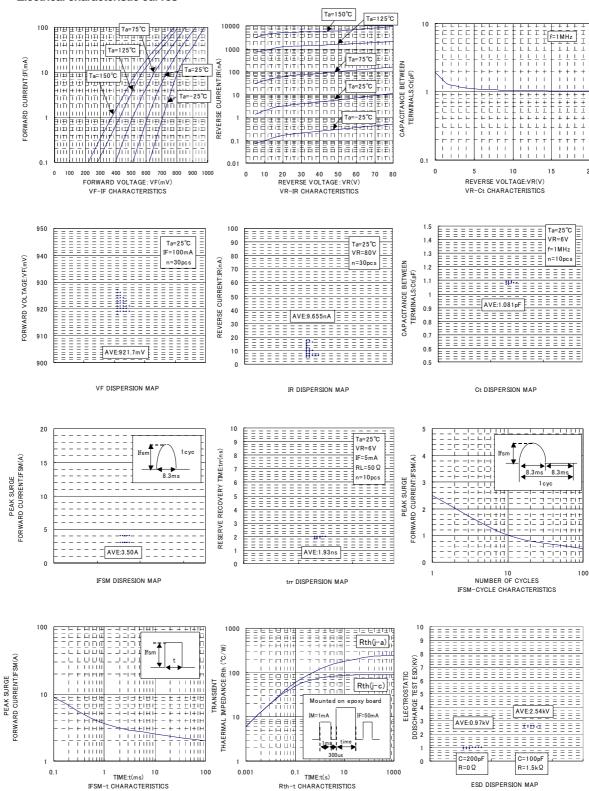
Symbol	Limits	Unit V				
V_{RM}	80					
V_R	80	V				
I _{FM}	300	m A				
lo	100	m A				
I _{surge}	4	Α				
Pd	200	m W				
Tj	150	°C				
Tstg	-55 to +150	°C				
	V _{RM} V _R I _{FM} Io Isurge Pd Tj	V _{RM} 80 V _R 80 I _{FM} 300 Io 100 I _{surge} 4 Pd 200 Tj 150				

●Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forwar <mark>d voltage</mark>	V_{F}	-	-	1.2	V	I _F =100mA
Reverse current	I _R	-	-	0.1	μA	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



•Electrical characteristic curves



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