# Switching diode

•Applications

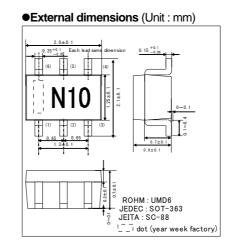
Very fast recovery

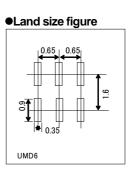
## Features

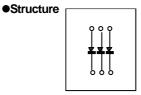
Small mold type. (UMD6)
High reliability

#### Construction

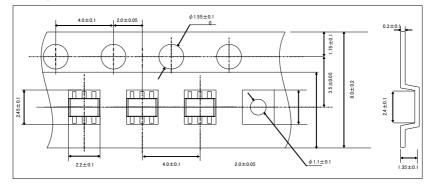
Silicon epitaxial planer







#### • Taping dimensions (Unit : mm)



#### ●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit	
Reverse voltage (repetitive peak)	V <sub>RM</sub>	80	V	
Reverse voltage (DC)	V <sub>R</sub>	80	V	
Forward current repetitive peak (Single)	I <sub>FM</sub>	300	mА	
Average rectified forward current (Single)	lo	100	mА	
Surge current (t=1us)	I <sub>surge</sub>	4	А	
Power dissipation	Pd	200	mW	
Junction temperature	Tj	150	°C	
Storage temperature	Tstg	-55 to +150	°C	

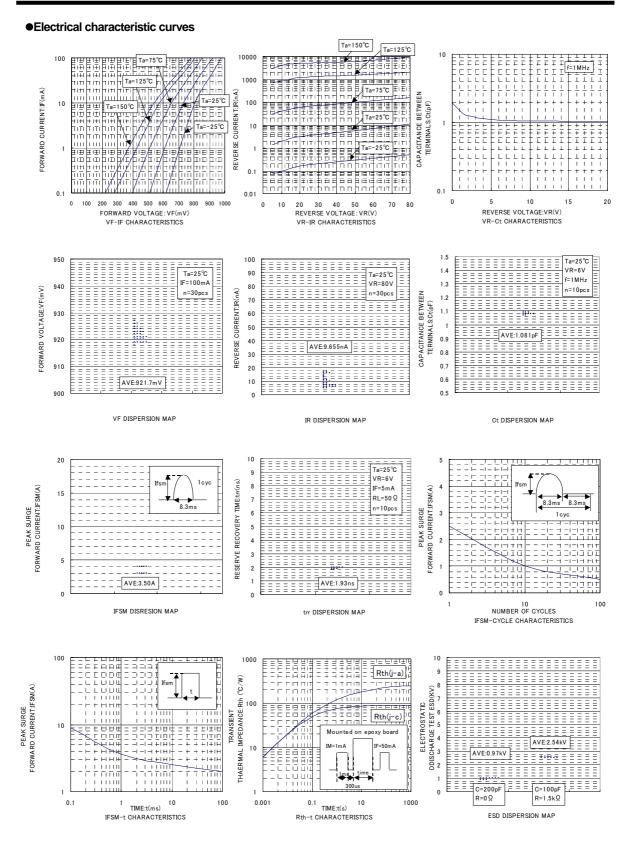
#### •Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>	-	-	1.2	V	I <sub>F</sub> =100mA
Reverse current	I <sub>R</sub>	-	-	0.1	μA	V <sub>R</sub> =70V
Capacitance between terminal	Ct	-	-	3.5	pF	V <sub>R</sub> =6V, f=1MHz
Reverse recovery time	trr	-	-	4	ns	$V_R=6V$ , IF=5mA, RL=50 $\Omega$



# UMN10N

# Diodes



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