Switching diode

UMR12N

Applications

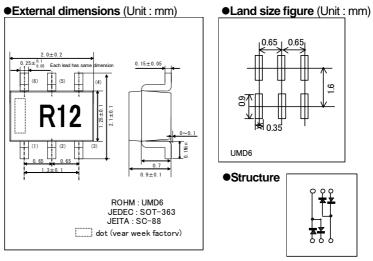
Ultra high speed switching

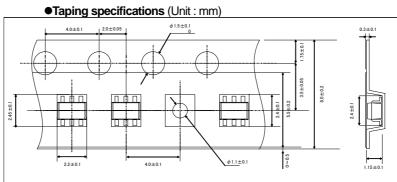
Features

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

Construction

Silicon epitaxial planar





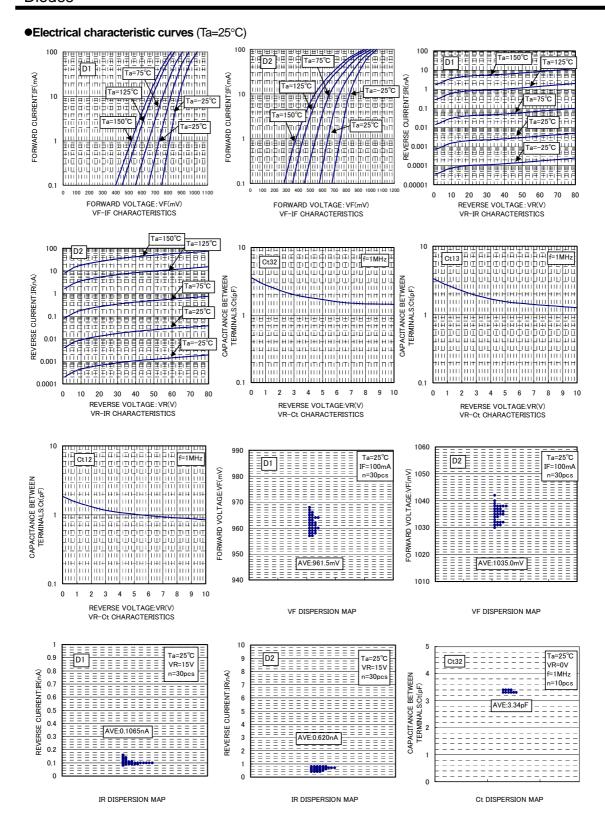
●Absolute maximum ratings (Ta=25°C)

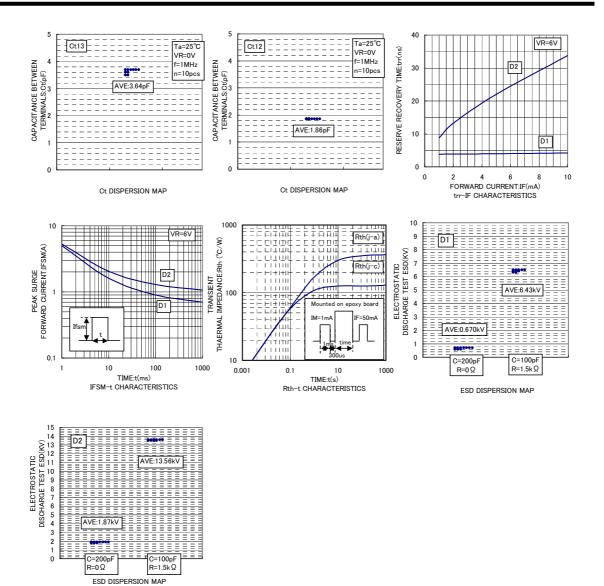
PADSOIDE MAXIMUM Tatings (10-20 0)			
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	80	V
Reverse voltage (DC)	V_R	80	V
Forward current (Single)	I _{FM}	200	mA
Average rectified forward current (Single)	lo	100	mA
Surge current (t=1us)	I _{surge}	4	Α
Power dissipation	Pd	200	mW
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	μA	$V_R=80V$
Capacitance between terminals	Ct	-	-	3.5	pF	V _R =6V , f=1MHz







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