# Switching diode

### Application

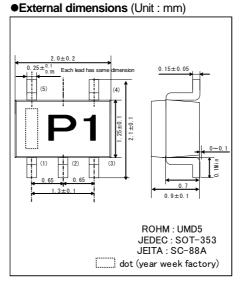
Ultra high speed switching

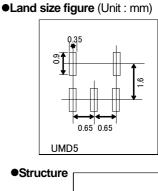
#### Features

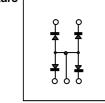
Small mold type. (UMD5)
High reliability

#### Construction

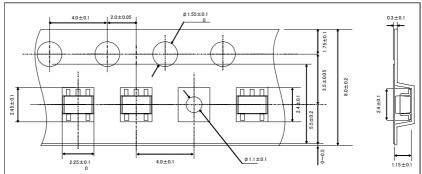
Silicon epitaxial planar







# •Taping specifications (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 (Single)	I <sub>FM</sub>	80	mA	
Average rectified forward current(Single)	lo	25	mA	
Surge peak (t=1us)	I <sub>surge</sub>	250	mA	
Power dissipation	Pd	150	mW	
Junction temperature	Tj	150	°C	
Storage temperature	Tstg	-55 to +150	°C	

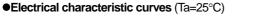
### •Electrical characteristics (Ta=25°C)

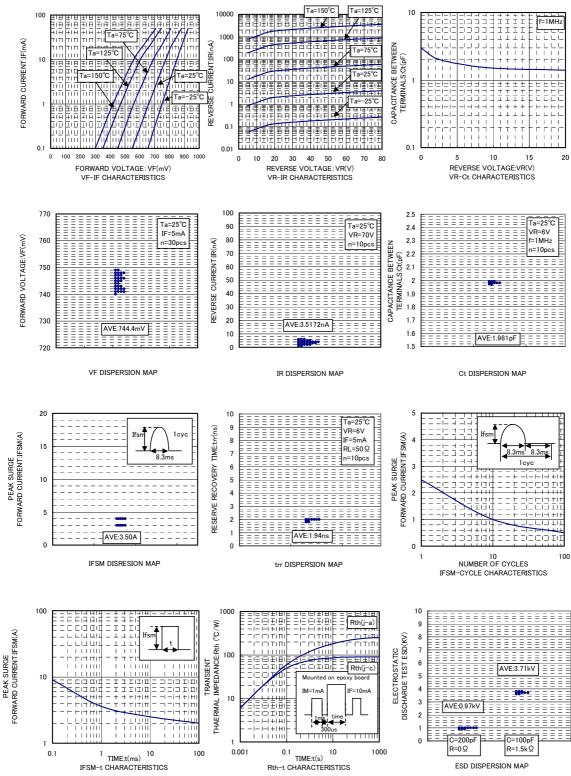
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>	-	-	0.9	V	I <sub>F</sub> =5mA
Reverse current	I <sub>R</sub>	-	-	0.1	μA	V <sub>R</sub> =70V
Capacitance between terminals	Ct	-	-	3.5	pF	V <sub>R</sub> =6V , f=1MHz
Reverse recovery time	trr	-	-	4	ns	$V_R$ =6V, IF=5mA, RL=50 $\Omega$



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# Diodes





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