# Switching diode DAP202U

# Application

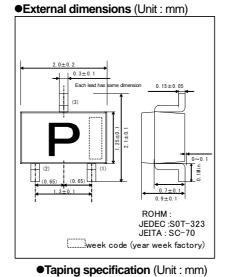
Ultra high speed switching

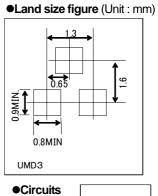
### Features

Small mold type. (UMD3)
High reliability.

### Construction

Silicon epitaxial planar







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### •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>	300	mA				
Average rectified forward current (Single)	lo	100	mA				
Surge current (t=1us) (Single)	Isurge	4	A				
Power dissipation	Pd	200	mW				
Junction temperature	Tj	150	°C				
Storage temperature	Tstg	-55 to +150	°C				
Rated in slash put frequency	f	100	MHz				

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

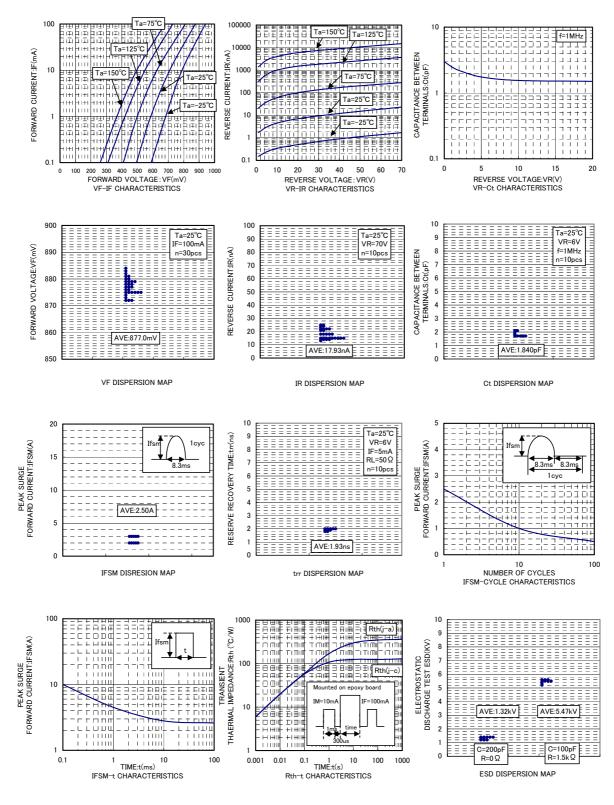
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>	-	-	1.2	V	I <sub>F</sub> =100mA
Reverse current	I <sub>R</sub>	-	-	0.1	μA	V <sub>R</sub> =70V
Capacitance between terminals	Ct	-	-	3.5	pF	V <sub>R</sub> =6V , f=1MHz
Reverse recovery time	trr	-	-	4	ns	$V_R$ =6V , IF=5mA ,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



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# Diodes

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



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