# Fast recovery diode

## RF071M2S

#### Applications

High frequency rectification

#### Features

1) Small power mold type (PMDS)

2) Ultra low VF

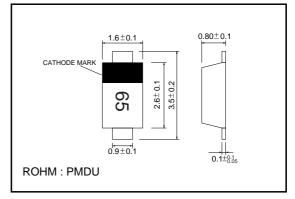
3) Very fast recovery

4) Low switching loss

#### Construction

Silicon epitaxial planar

#### •External dimensions (Unit : mm)



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

<b>U</b>						
Parameter	Symbol	Limits	Unit			
Reverse voltage (repetitive peak)	Vrm	200	V			
Reverse voltage (DC)	VR	200	V			
Forward voltage (DC)	IF *	1.0	A			
Average rectified forward current	lo *	0.7	A			
Forward peak surge current (60Hz · 1cyc.)	IFSM	15	A			
Junction temperature	Tj	150	°C			
Storage temperature	Tstg	-55 to +150	°C			
* Mounting on glass enoxi board		•				

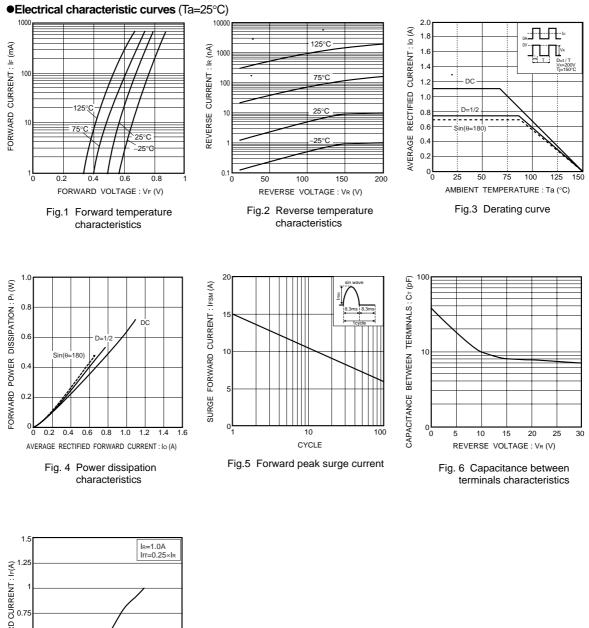
\* Mounting on glass epoxi board

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

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	VF	-	0.790	0.850	V	IF=0.7A
Reverse current	IR	-	10n	10μ	A	VR=200V
Reverse recovery time	trr	-	ns	25	ns	IF=0.5A, IR=1.0A, Irr=0.25×IR
Note) ESD sensitive product handing required						

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### Diodes



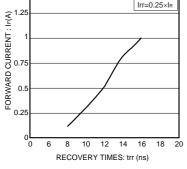


Fig. 7 Reverse recovery time

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