# Shottky barrier diode RB706F-40

# Application

Low current rectification

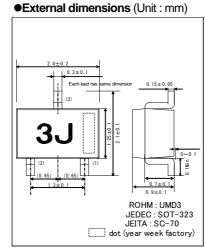
#### Features

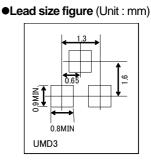
Small mold type. (UMD3)
Low VF

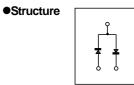
3) High reliability.

## Structure

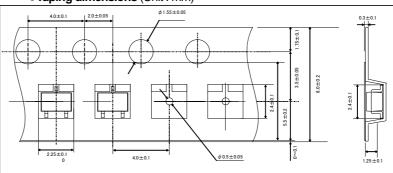
Silicon epitaxial planer







# •Taping dimensions (Unit : mm)



# •Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V <sub>RM</sub>	45	V
Reverse voltage (DC)	V <sub>R</sub>	40	V
Average rectified forward current	lo	30	mA
Forward current surge peak (60Hz · 1cyc)	I <sub>FSM</sub>	200	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

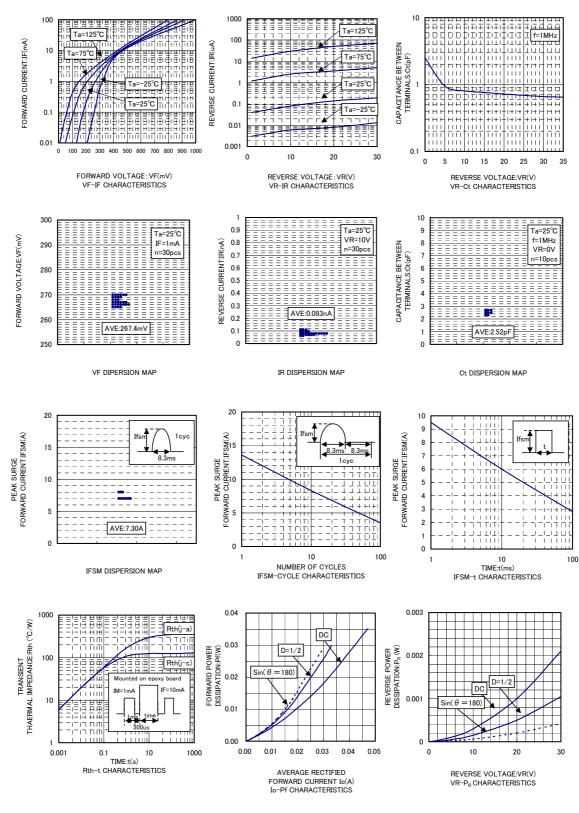
# •Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>	-	0.26	0.37	V	I <sub>F</sub> =1mA
Reverse current	I <sub>R</sub>	-	0.05	1	μA	V <sub>R</sub> =10V
Capacitance between terminals	Ct	-	2.0	-	pF	V <sub>R</sub> =1V , f=1MHz

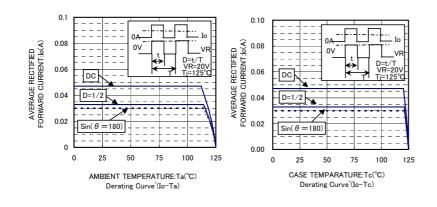


# Diodes





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