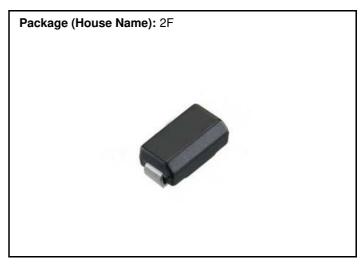
D2FL40U

Fast Recovery Diodes 400V, 2A

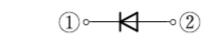
Feature

- Small SMD
- High Recovery Speed
- Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit



Absolute Maximum Ratings (unless otherwise specified : TI=25°C)

Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-55 to 150	°C
Junction temperature	Tj		-55 to 150	°C
Repetitive peak reverse voltage	V _{RRM}		400	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, TI=100°C	2	A
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, On alumina substrate, Ta=25°C	1.4	A
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=25°C	1.14	А
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle, Peak value, Tj=25°C	95	А

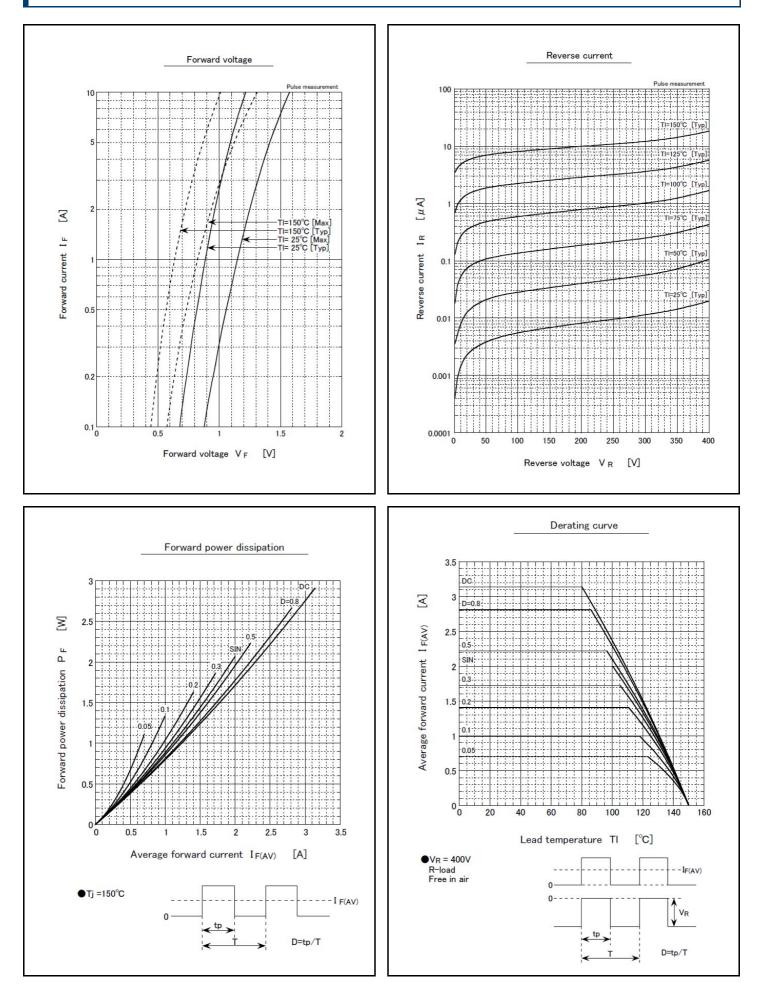
* : See the original Specifications

Electrical Characteristics (unles	ss otherwise specified : TI=25°C)
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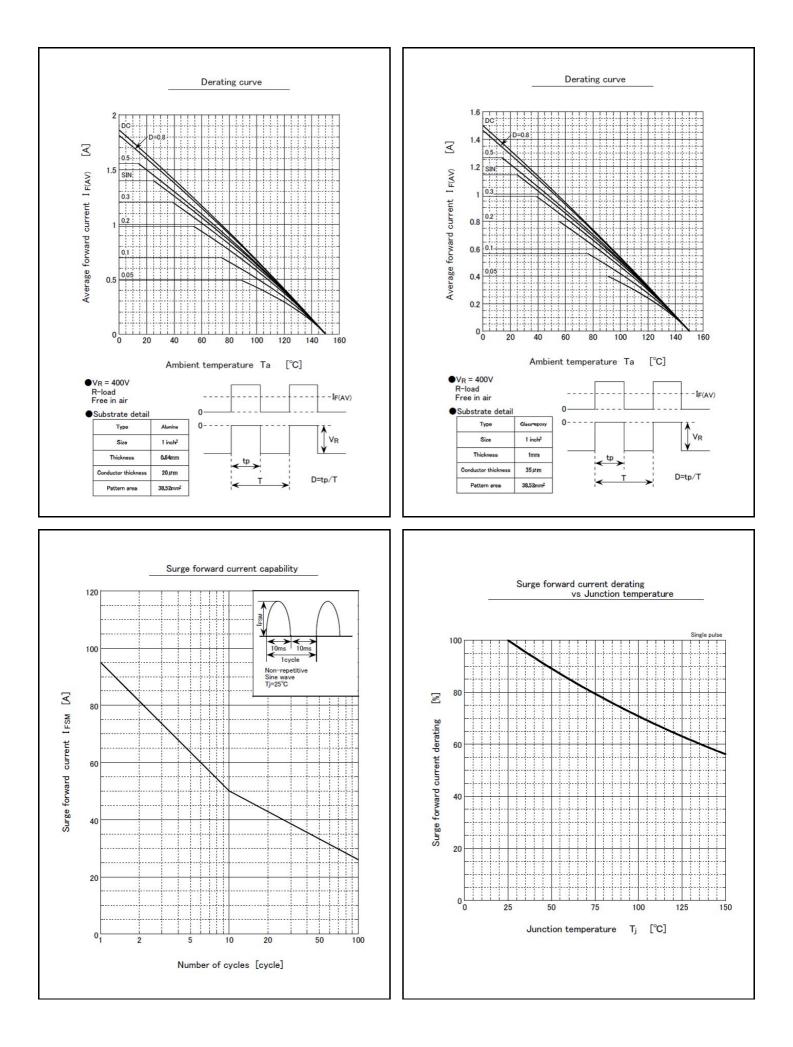
Item	Symbol	Conditions	Ratings			Unit
			MIN	ТҮР	MAX	Onit
Forward voltage	V _F	IF=2A, Pulse measurement			1.25	V
Reverse current	I _R	VR=400V, Pulse measurement			10	μA
Reverse recovery time	trr	IF=0.5A, IR=1.0A, 0.25IR			35	ns
Total capacitance	Ct	f=1MHz, VR=10V		34		pF
Thermal resistance	Rth(j-l)	Junction to lead			24	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On alumina substrate *			90	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate *			120	°C/W

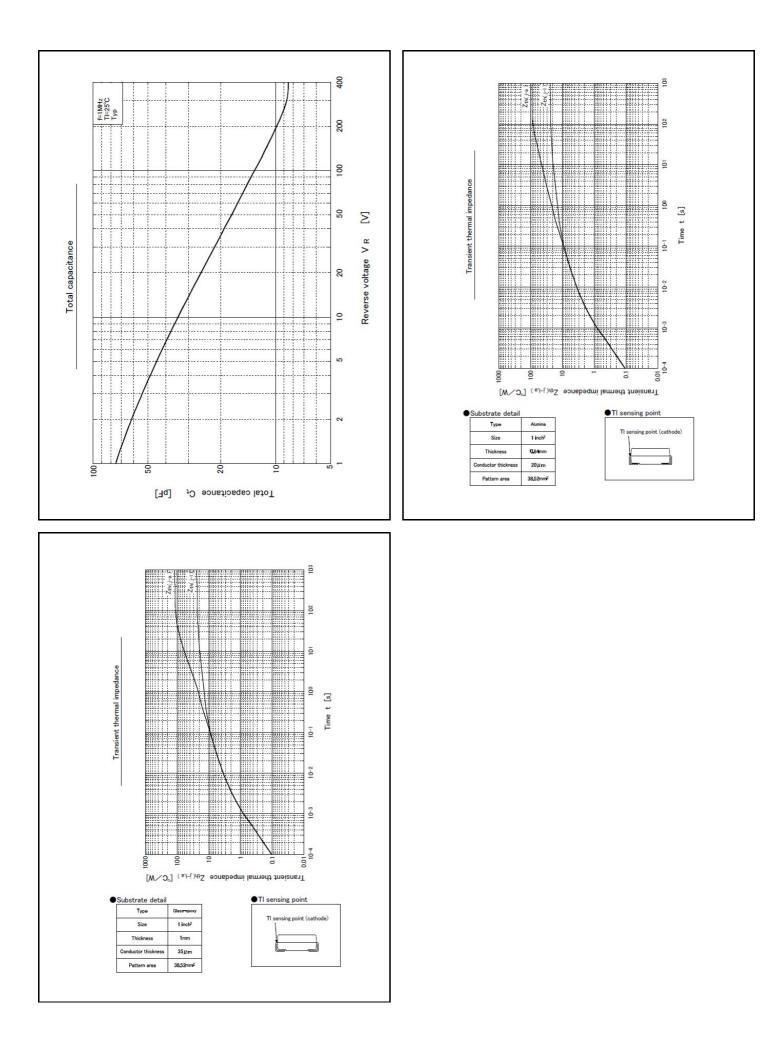
* :See the original Specifications

CHARACTERISTIC DIAGRAMS



3/7



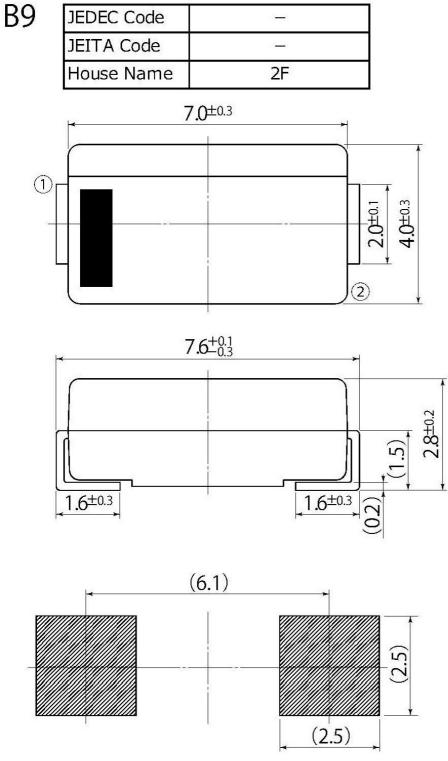


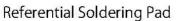
unit:mm

scale: 10/1

C 0.8

0.1±0.1





Optimize soldering pad to the board design and soldering condition.

Notes

- 1. If you wish to use any such product, please be sure to refer to the specifications issued by Shindengen.
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[Special applications]

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[Specific applications]

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