D20FDC20L

Fast Recovery Diodes 200V, 20A

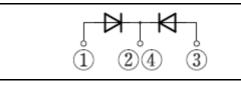
Feature

- SMD
- High Recovery Speed
- · Based on AEC-Q101
- Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit



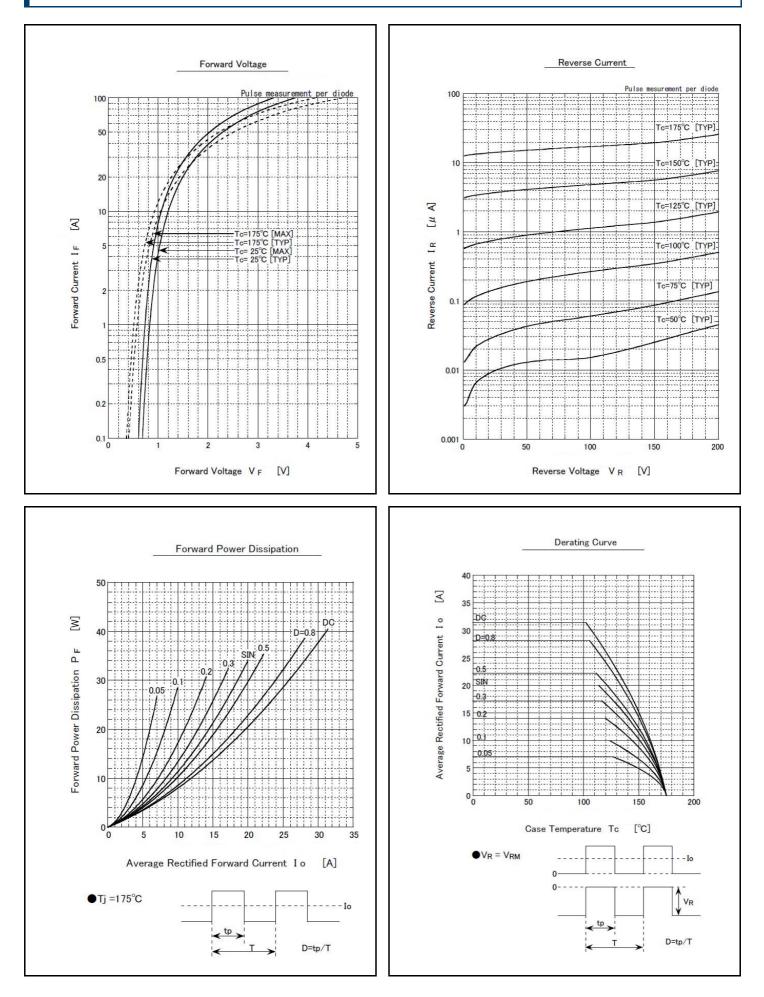
Absolute Maximum Ratings (unless otherwise specified : Tc=25°C) Item Symbol Conditions Ratings Unit -55 to 175 °C Storage temperrature Tstg 175 °C Junction temperature Τj ٧ 200 Repetitive peak reverse voltage V_{RRM} 50Hz sine wave, Resistance load, Rating for each Average forward current I_F(AV) 20 А diode IF(AV)/2, Tc=113°C 50Hz sine wave, Non-repetitive 1 cycle, Peak value, Surge forward current 100 А I_{FSM} Tj=25°C tp=1ms, Sine wave, Non-repetitive, 1 cycle, Peak Surge forward current 215 А I_{FSM1} value, Tj=25°C

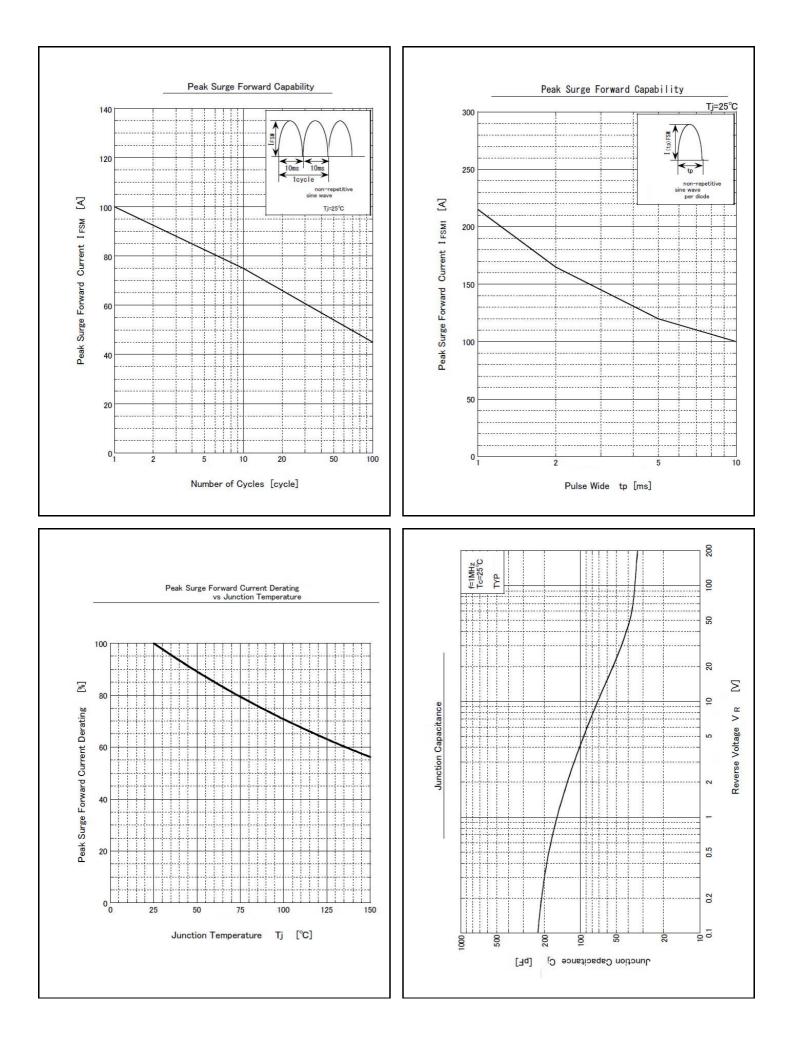
* : See the original Specifications

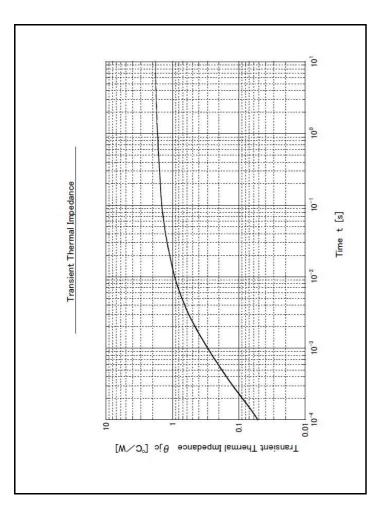
Item	Symbol	Conditions	Ratings			Unit
			MIN	ТҮР	MAX	Onit
Forward voltage	V _F	IF=10A, Pulse measurement, Per diode			1.2	V
Reverse current	I _R	VR=200V, Pulse measurement, Per diode			10	μA
Reverse recovery time	trr	IF=0.5A, IR=1.0A, 0.25IR, Per Diode			30	ns
Total capacitance	Ct	f=1MHz, VR=10V, Per Diode		71		pF
Thermal resistance	Rth(j-c)	Junction to case			1.8	°C/W

*:See the original Specifications

CHARACTERISTIC DIAGRAMS



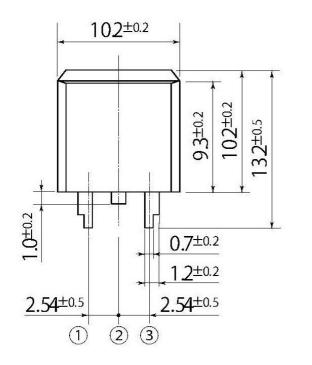


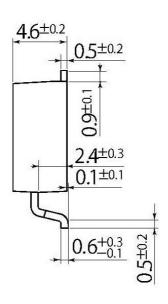


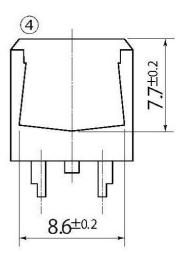
unit:mm

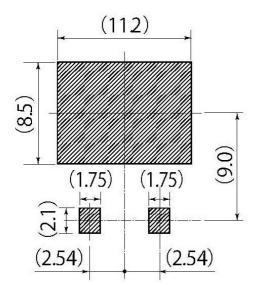
scale: 3/1

H2 JEDEC Code – JEITA Code SC-83 similar House Name FD









Referential Soldering Pad

Optimize soldering pad to the board design and soldering condition.

Notes

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