

DE5L60A

Fast Recovery Diodes 600V, 5A

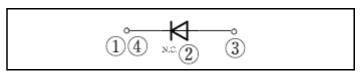
Feature

- SMD
- High Voltage
- · Low Noise
- Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit



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

Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-55 to 150	°C
Junction temperature	Tj		150	°C
Repetitive peak reverse voltage	V_{RRM}		600	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, Tc=119°C	5	Α
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle, Peak value, Tj=25°C	60	Α
Surge forward current	I _{FSM1}	tp=1ms, Sine wave, Non-repetitive, Peak value, Tj=25°C		Α

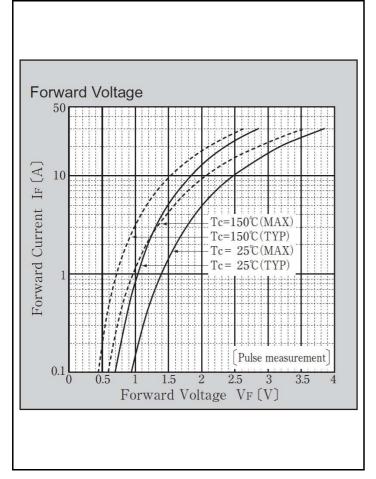
^{* :} See the original Specifications

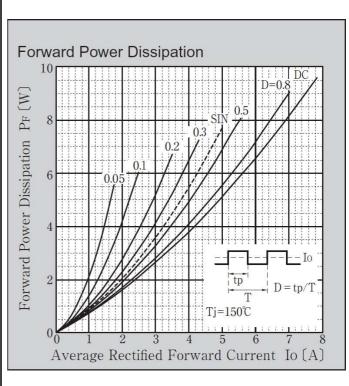
Electrical Characteristics (unless otherwise specified : Tc=25°C)

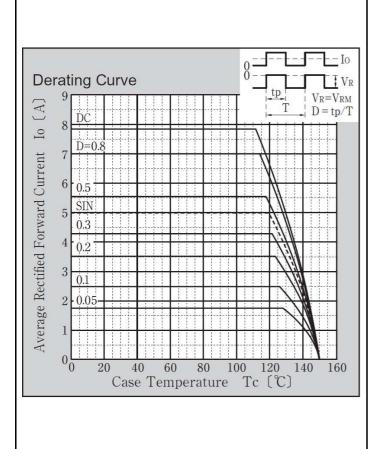
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V_{F}	IF=5.0A, Pulse measurement			2	V
Reverse current	I _R	VR=600V, Pulse measurement			10	μΑ
Reverse recovery time	trr	IF=0.5A, IR=1.0A, 0.1IR			50	ns
Total capacitance	Ct	f=1MHz, VR=10V		33		pF
Thermal resistance	Rth(j-c)	Junction to case			4	°C/W

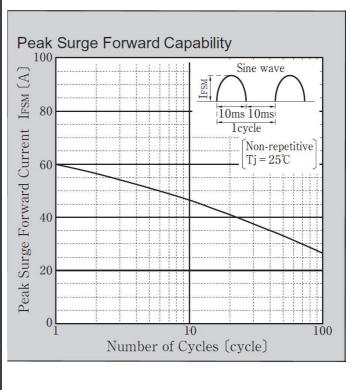
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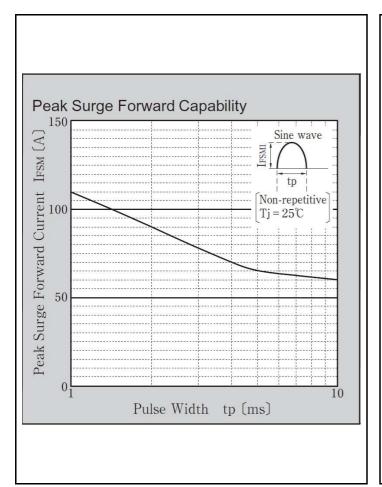
CHARACTERISTIC DIAGRAMS

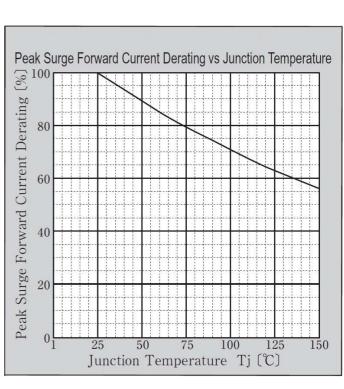


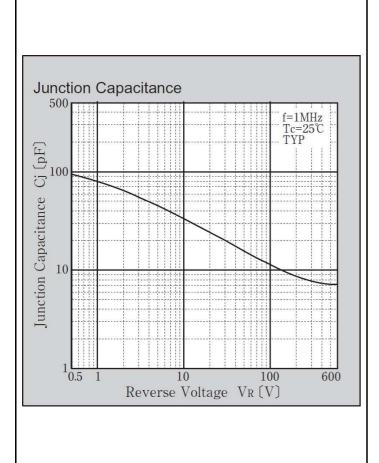


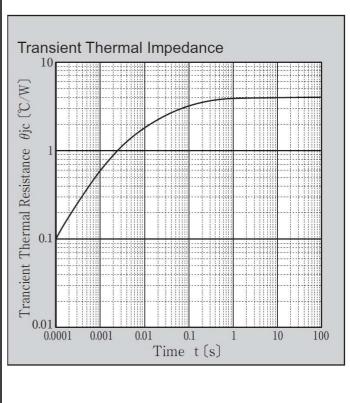








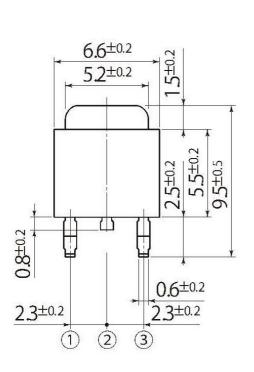


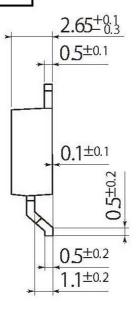


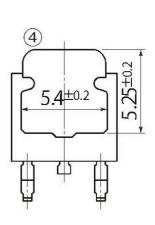
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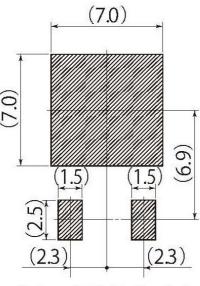
G1

JEDEC Code	-	
JEITA Code	SC-63	
House Name	E-pack	









Referential Soldering Pad

[•] Optimize soldering pad to the board design and soldering condition.

Notes

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