

**TENTATIVE****SBD MODULE 60A/150V****P2H60QH15**

## FEATURES

- \* Compatible with Isolated Base SOT227
- \* Dual Separated Diodes
- \* Extremely Low Forward Voltage Drop
- \* Low Power Loss, High Efficiency
- \* High Surge Capability

## OUTLINE DRAWING

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## TYPICAL APPLICATIONS

- \* High Frequency Rectification

## Maximum Ratings

Approx Net Weight:35g

Parameter	Symbol	Type / Grade		Unit
		P2H60QH15	-	
Repetitive Peak Reverse Voltage *1	V <sub>RRM</sub>	150	-	V
Non Repetitive Peak Reverse Voltage *1	V <sub>RSM</sub>	-	-	

Parameter		Conditions	Max Rated Value	Unit
Average Rectified Output Current *1	I <sub>O(AV)</sub>	50Hz Half Sine Wave condition T <sub>c</sub> =T <sub>o</sub> Be Determined	60	A
Surge Forward Current *1	I <sub>FSM</sub>	50 Hz Half Sine Wave, 1Pulse Non-repetitive	600	A
Operating Junction Temperature Range	T <sub>jw</sub>		-40 to +150	°C
Storage Temperature Range	T <sub>stg</sub>		-40 to +125	°C
Isolation Voltage	Viso	Base Plate to Terminals, AC1min	2500	V
Mounting torque	Terminals	M4Screw	1.5(1.4)	N.m
	Case mounting	M4Screw with Thermal Compound	1.5(1.4)	

## Electrical • Thermal Characteristics

Characteristics	Symbol	Test Conditions	Max.	Unit
Peak Reverse Current *1	I <sub>RM</sub>	V <sub>RM</sub> = V <sub>RRM</sub> , T <sub>j</sub> = 25°C	40	μA
Peak Forward Voltage *1	V <sub>FM</sub>	I <sub>FM</sub> = 60A, T <sub>j</sub> =25°C	1.05	V
Thermal Resistance *1	R <sub>th(j-c)</sub>	Junction to Case	0.72	°C/W
	R <sub>th(c-f)</sub>	Base Plate to Heat Sink with Thermal Compound	0.3	

\*1: Value Per 1Arm

P2H60QH15 OUTLINE DRAWING (Dimensions in mm)

