

INA139, INA169 Thermal Information

1 Thermal Information

The INA139 and INA169 thermal information is shown in [Table 1](#).

Table 1. Thermal Information

THERMAL METRIC		INA139, INA169	UNITS
		DBV (SOT)	
		5 PINS	
θ_{JA}	Junction-to-ambient thermal resistance	168.3	°C/W
θ_{JcTop}	Junction-to-case (top) thermal resistance	73.8	
θ_{JB}	Junction-to-board thermal resistance	28.1	
ψ_{JT}	Junction-to-top characterization parameter	2.5	
ψ_{JB}	Junction-to-board characterization parameter	27.6	
θ_{Jcbot}	Junction-to-case (bottom) thermal resistance	N/A	

2 References

INA139 and INA169 product data sheet, [High-Side Measurement Current Shunt Monitor \(SBOS181\)](#), Texas Instruments, November 2005.

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