

Integrated Power Functions

Integrated Drive, Protection, and System Control Functions

Internal Equivalent Circuit and Input/Output Pins

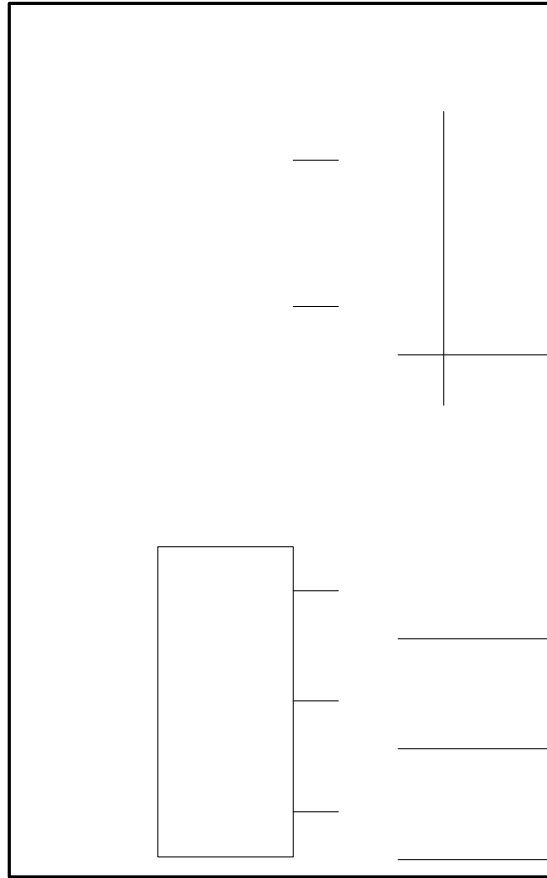


Figure 3. Internal Block Diagram

1st Notes:

Absolute Maximum Ratings

Inverter Part

Symbol	Parameter	Conditions	Rating	Unit
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2nd Notes:

Control Part

Symbol	Parameter	Conditions	Rating	Unit
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Bootstrap Diode Part

Symbol	Parameter	Conditions	Rating	Unit
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Total System

Symbol	Parameter	Conditions	Rating	Unit
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Thermal Resistance

2nd Notes:

Electrical Characteristics

Inverter Part

2nd Notes:

Figure 5. Switching Loss Characteristics (Typical)

Control Part

Symbol	Parameter	Conditions	Min.	Typ.	Max.	Unit
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2nd Notes:



Figure. 6. R-T Curve of The Built-In Thermistor

Bootstrap Diode Part

Symbol	Parameter	Conditions	Min.	Typ.	Max.	Unit

Figure 7. Built-In Bootstrap Diode Characteristic

2nd Notes:

Recommended Operating Conditions

Symbol	Parameter	Conditions	Min.	Typ.	Max.	Unit
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2nd Notes:


Figure 8. Allowable Maximum Output Current

2nd Notes:







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