

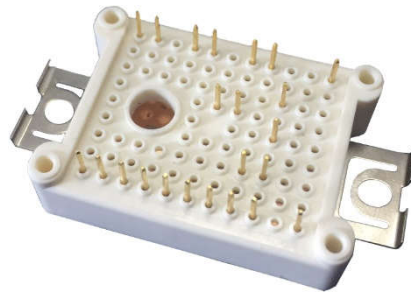
FEATURES

- V_{CEsat} with positive temperature coefficient
- Low V_{CEsat}
- Low inductance case
- 10 μ s short circuit capability
- Isolated copper baseplate using DBC technology

Preliminary Data

$V_{CES} = 1200V$

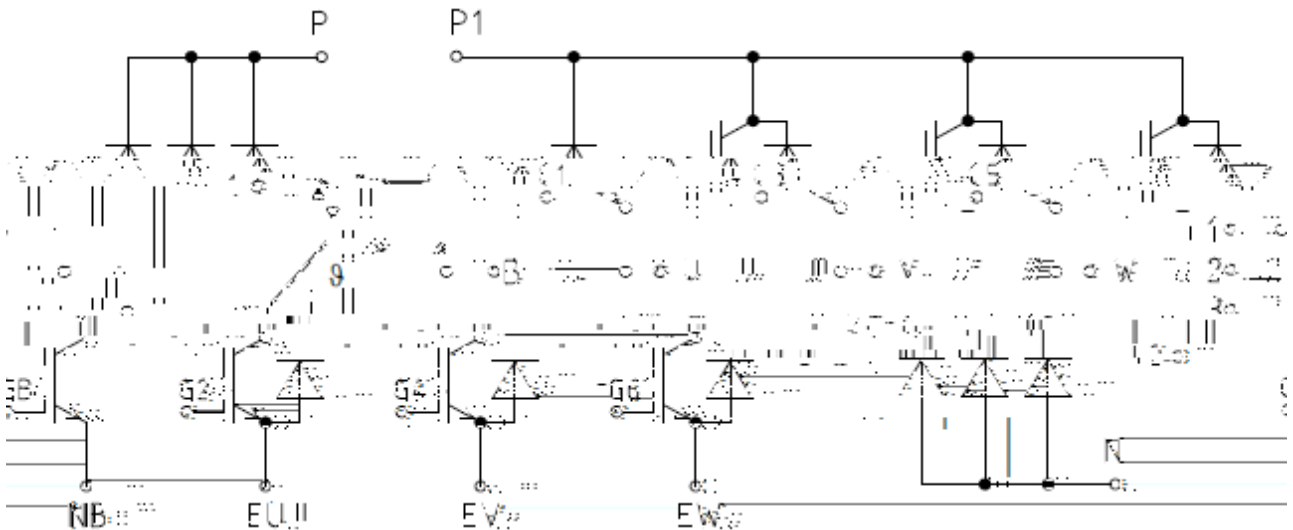
$I_C \text{ nom} = 10A / I_{CRM} = 20A$



APPLICATION

- Motor drivers
- Air Conditioning
- Auxiliary inverters

Equivalent Circuit Schematic



IGBT, Inverter
Maximum Rated Values

Parameter	Conditions	Symbol	Values	Units

Characteristic Values

Parameter	Conditions	Symbol	Values			Units
			Min.	Typ.	Max.	

Diode, Inverter

Maximum Rated Values

Parameter	Conditions	Symbol	Values	Units

Characteristic Values

Parameter	Conditions	Symbol	Values			Units
			Min.	Typ.	Max.	

Diode, Rectifier

Maximum Rated Values

Parameter	Conditions	Symbol	Values	Units

Characteristic Values

Parameter	Conditions	Symbol	Values			Units
			Min.	Typ.	Max.	

Diode, Brake-Chopper Maximum Rated Values

Parameter	Conditions	Symbol	Values	Units

Characteristic Values

Parameter	Conditions	Symbol	Values			Units
			Min.	Typ.	Max.	

NTC-Thermistor Characteristic Values

Parameter	Conditions	Symbol	Values			Units
			Min.	Typ.	Max.	
						Ω

Module

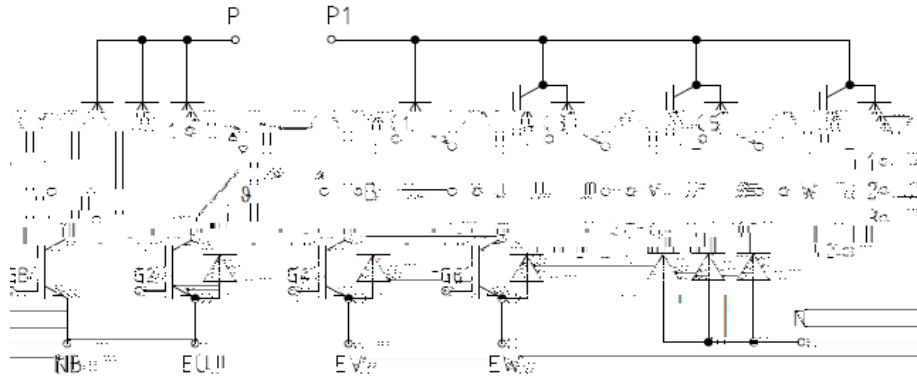
Maximum Rated Values

Parameter	Conditions	Symbol	Values	Units
			>	

Characteristic Values

Parameter	Conditions	Symbol	Values			Units
			Min.	Typ.	Max.	
						Ω

Circuit diagram



Package outlines (mm)

