

Features

Field Stop Trench gate IGBT、Low Collector-Emitter saturation voltage、High short circuit capability
Low switching losses

Version

STD

Application

Industrial Motor Drivers, Inverter, Welding, UPS

Status

Mass production

Specifications

| | | | | | | |
|--|-----------------------------------|--|--|-----------------------------|---|---|
| Gate-Emitter voltage VCES [V] | Collector current IC [A] | Collector- Emitter saturation voltage VCE(sat) @Tj=25deg C typical limit | Collector- Emitter saturation voltage VCE(sat) @Tj=25deg C upper limit | Gate Voltage VGES [V] | Gate-Emitter threshold voltage VGE(th) lower limit [V] | Gate-Emitter threshold voltage VGE(th) upper limit [V] |
|--|-----------------------------------|--|--|-----------------------------|---|---|

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|-----------------------|----|-----------------------|------|---------------------------------------|------|------|
| | | [V] | [V] | | | |
| 650 | 45 | 1.55 | 1.85 | -30~30 | 5.20 | 6.60 |
| Die size X [mm] | | Die size Y [mm] | | Junction temperature Tj [deg.C] | | |
| 4.98 | | 4.98 | | -40~175 | | |