

FEATURES

- Double Side Cooling
- High Surge Capability
- High Mean Current
- Fatigue Free

TYPICAL APPLICATIONS

- High Power Drives
- High Voltage Power Supplies
- DC Motor Control

TECHNICAL DATA

| DEVICE TYPE | V_{DRM}/V_{RRM} (V) | V_{RSM} (V) |
|--------------|--------------------------|------------------|
| DCR604SE1414 | 1400 | 1500 |
| DCR604SE1616 | 1600 | 1700 |
| DCR604SE2121 | 2100 | 2200 |

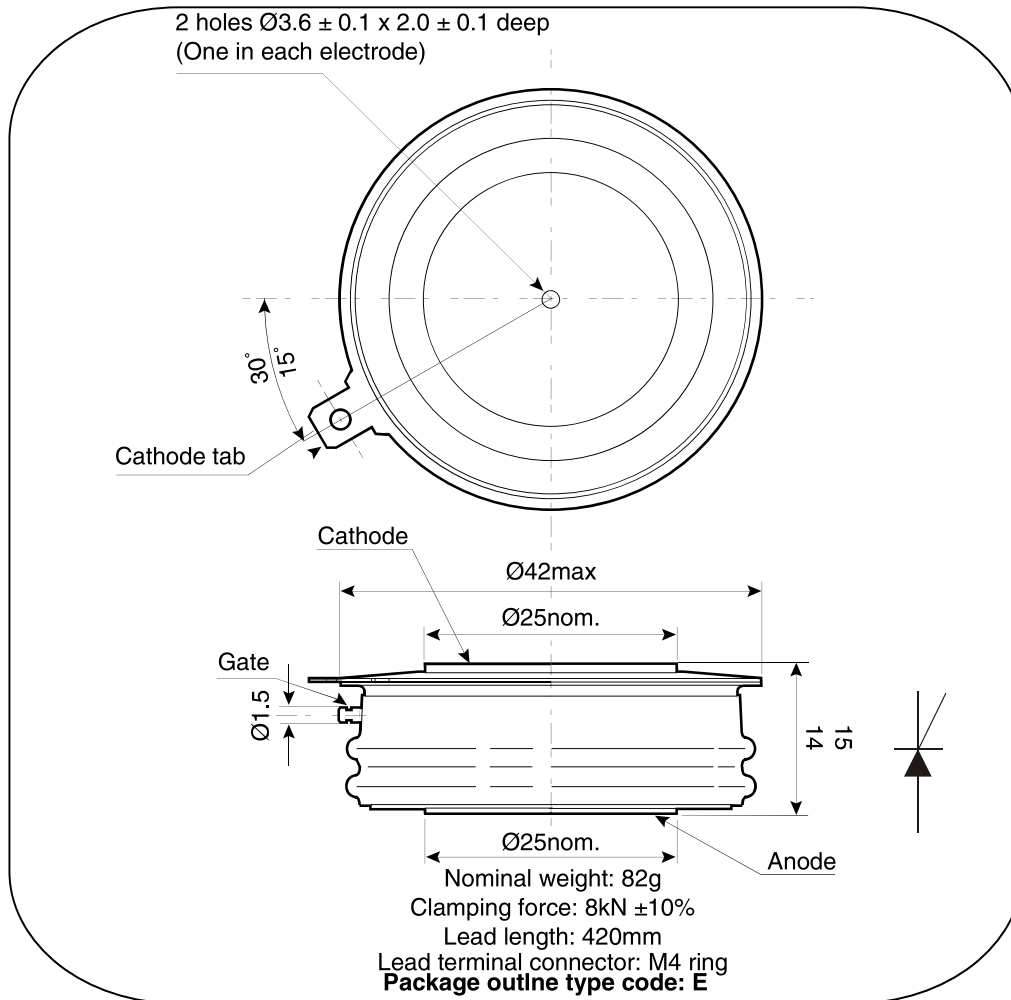


CURRENT RATINGS

$T_{case} = 60^{\circ}C$ unless stated otherwise.

| Symbol | Parameter | Conditions | Max. | Units |
|--|--------------------------------------|--------------------------|------|-------|
| Double Side Cooled | | | | |
| $I_{T(AV)}$ | Mean on-state current | Half wave resistive load | 706 | A |
| $I_{T(RMS)}$ | RMS value | - | 1109 | A |
| I_T | Continuous (direct) on-state current | - | 995 | A |
| Single Side Cooled (Anode side) | | | | |
| $I_{T(AV)}$ | Mean on-state current | Half wave resistive load | 487 | A |
| $I_{T(RMS)}$ | RMS value | - | 766 | A |
| I_T | Continuous (direct) on-state current | - | 646 | A |

PACKAGE OUTLINE



All dimensions are in mm.

Insel Rectifiers (India) Pvt. Ltd.

(An ISO 9001:2015, ISO 14001:2015 Certified Company)

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