

| Type | V _{DRM} | V _{RRM} (V _{RRM(C)}) | I _{TRMSM} | I _{TSM} | $\int i^2 dt$ | I _{TAVM} /t _C | V _(TO) | r _T | (di/dt) _{cr} | t _q ¹⁾ | (dv/dt) _{cr} | R _{thJC} | R _{thCK} | t _{vj max} | Outline | |
|------|------------------|--|--------------------|-------------------------------|-------------------------------|-----------------------------------|--|--|-----------------------|------------------------------|-----------------------|-------------------|-------------------|---------------------|---------|--------|
| | V | V | A | A | A ² s | A/°C | V | mΩ | A/μs | μs | V/μs | K/W | K/W | °C | | |
| | | | | 10 ms, t _{vj max} | 10 ms, t _{vj max} | 180°el sin. | t _{vj} = t _{vj max} | t _{vj} = t _{vj max} | DIN IEC 747-6 | | DIN IEC 747-6 | 180°el sin. | | | | T-2301 |

Modules with compression bonding

| | | | | | | | | | | | | | | | |
|------------|--------------------------------|------------|-----|------|--------|------------------|-----|------|-----|---|---------------------|------|------|-----|----|
| ■ AD 50 F | 800 1000 1100 1200 1300* | 15 (50) | 120 | 1300 | 8450 | 76/56 50/85 | 1,3 | 3,75 | 120 | E ≤ 20 D ≤ 15 C ≤ 12 B ≤ 10 A ≤ 8 ²⁾ | C = 500 F = 1000 | 0,45 | 0,16 | 125 | 47 |
| ▲ AD 51 F | 800 1000 1100 1200 1300* | 15 (50) | 120 | 1300 | 8450 | 76/56 50/85 | 1,3 | 3,75 | 120 | E ≤ 20 D ≤ 15 C ≤ 12 B ≤ 10 A ≤ 8 ²⁾ | C = 500 F = 1000 | 0,45 | 0,16 | 125 | 48 |
| ■ AD 60 F | 800 1000 1100 1200 1300* | 15 (50) | 150 | 1450 | 10500 | 95/56 60/85 | 1,2 | 2,80 | 120 | E ≤ 20 D ≤ 15 C ≤ 12 B ≤ 10 A ≤ 8 ²⁾ | C = 500 F = 1000 | 0,39 | 0,16 | 125 | 47 |
| ▲ AD 61 F | 800 1000 1100 1200 1300* | 15 (50) | 150 | 1450 | 10500 | 95/56 60/85 | 1,2 | 2,80 | 120 | E ≤ 20 D ≤ 15 C ≤ 12 B ≤ 10 A ≤ 8 ²⁾ | C = 500 F = 1000 | 0,39 | 0,16 | 125 | 48 |
| ■ AD 95 S | 800 1000 1100 1200 1300* | 15 (50) | 200 | 2350 | 27600 | 127/67 95/85 | 1,3 | 2,15 | 400 | D ≤ 15 C ≤ 12 B ≤ 10 A ≤ 8 ²⁾ | C = 500 F = 1000 | 0,23 | 0,06 | 125 | 50 |
| AD 96 S | 800 1000 1100 1200 1300* | 15 (50) | 200 | 2350 | 27600 | 127/67 95/85 | 1,3 | 2,15 | 400 | D ≤ 15 C ≤ 12 B ≤ 10 A ≤ 8 ²⁾ | C = 500 F = 1000 | 0,23 | 0,06 | 125 | 51 |
| ■ AD 115 S | 800 1000 1100 1200 1300* | 15 (50) | 200 | 2600 | 33800 | 127/74 115/85 | 1,1 | 1,45 | 400 | E ≤ 20 D ≤ 15 | C = 500 F = 1000 | 0,23 | 0,06 | 125 | 50 |
| AD 116 S | 800 1000 1100 1200 1300* | 15 (50) | 200 | 2600 | 33800 | 127/74 115/85 | 1,1 | 1,45 | 400 | E ≤ 20 D ≤ 15 | C = 500 F = 1000 | 0,23 | 0,06 | 125 | 51 |
| AD 180 S | 800 1000 1100 1200 1300* | 15 (50) | 350 | 4800 | 115000 | 223/73 180/85 | 1,3 | 0,9 | 500 | D ≤ 15 C ≤ 12 B ≤ 10 A ≤ 8 ²⁾ | C = 500 F = 1000 | 0,13 | 0,04 | 125 | 52 |
| AD 220 S | 800 1000 1100 1200 1300* | 15 (50) | 410 | 5200 | 135000 | 261/75 220/85 | 1,1 | 0,6 | 500 | F ≤ 25 E ≤ 20 D ≤ 15 | C = 500 F = 1000 | 0,13 | 0,04 | 125 | 52 |

1) With fast inverse diode

2) V_{DRM} ≤ 1000 V

Most types of the power module have been UL-recognized.

▲ New type ■ Not for new design * Delivery for large quantities on request