





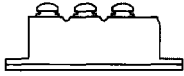
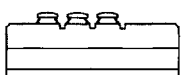


Rectifier diode modules

| Type | V_{RRM} $V_{RSM} = V_{RRM} + 100$ V | I_{FRMSM} A | I_{FSM} 10 ms, $t_{vj\ max}$ A | $\int i^2 dt$ 10 ms, $t_{vj\ max}$ kA ² s | $I_{FAVM/tc}$ A/°C | $V_{(TO)}$ $t_{vj} =$ $t_{vj\ max}$ V | r_T $t_{vj} =$ $t_{vj\ max}$ mΩ | R_{thJC} 180°el SiP °C/W | R_{thCK} °C/W | $t_{vj\ max}$ °C | Outline |
|------|---------------------------------------------|------------------|-------------------------------------------|---------------------------------------------------------------|-----------------------|------------------------------------------------|--------------------------------------------|-------------------------------------|--------------------|---------------------|---------|
|------|---------------------------------------------|------------------|-------------------------------------------|---------------------------------------------------------------|-----------------------|------------------------------------------------|--------------------------------------------|-------------------------------------|--------------------|---------------------|---------|

Baseplate = 20 mm

| | | | | | | | | | | | | | | |
|----------------------|---------------------|----------------------|--------------|-----|------|-------|--------------------|------|-----|------|------|-----|----------|---------------------------------------------------------------------------------------|
| DD 31 N | 600 1400 | 800 1600 | 1200 | 60 | 480 | 1.15 | 38/ 83 31/100 | 0.8 | 7 | 1.2 | 0.2 | 150 | 44 45 | |
| DD 55 N | 600 1400 | 800 1600 | 1200 | 100 | 1050 | 5.5 | 64/ 88 55/100 | 0.75 | 3.1 | 0.78 | 0.16 | 150 | |  |
| DD 61 N | 600 1400 | 800 1600 | 1200 | 120 | 1200 | 7.2 | 76/ 82 61/100 | 0.75 | 3 | 0.68 | 0.16 | 150 | | |
| DD 76 N | 600 1400 | 800 1600 | 1200 | 120 | 1430 | 10.2 | 76/100 | 0.72 | 2.2 | 0.58 | 0.16 | 150 | | |
| DD 85 N | 600 1400 | 800 1600 | 1200 | 140 | 1650 | 13.6 | 89/ 96 85/100 | 0.70 | 2.1 | 0.52 | 0.16 | 150 | 47 |  |
| DD 89 N | 600 1400 | 800 1600 | 1200 1800 | 140 | 2400 | 28.8 | 89/100 | 0.75 | 2.3 | 0.45 | 0.1 | 150 | 48 |  |
| DD 90 N | 600 1400 | 800 1600 | 1200 | 140 | 2050 | 21 | 90/100 | 0.75 | 1.9 | 0.48 | 0.1 | 150 | 44 45 |  |
| ▲ DD 98 N | 2000 | 2200 | 2500 | 160 | 2000 | 20 | 98/100 | 0.82 | 2 | 0.39 | 0.1 | 150 | 48 |  |
| DD 104 N ND 104 N | 600 1400 | 800 1600 | 1200 1800 | 160 | 2500 | 31.25 | 104/100 | 0.7 | 2.1 | 0.39 | 0.1 | 150 | |  |
| DD 105 N | 600 1400 | 800 1600 | 1200 | 160 | 2200 | 24.2 | 105/100 | 0.72 | 1.6 | 0.43 | 0.1 | 150 | 44 45 |  |
| Baseplate = 25 mm | | | | | | | | | | | | | | |
| DD 106 N | 600 1400 2000 | 800 1600 2200* | 1200 1800 | 180 | 2600 | 33.8 | 115/ 93 106/100 | 0.7 | 2 | 0.39 | 0.08 | 150 | 49 |  |

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


▲ New type

* Delivery for large quantities on request

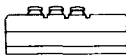
Rectifier diode modules

| Type | V_{RRM} $V_{RSM} = V_{RRM} + 100 \text{ V}$ V | I_{FRMSM} A | I_{FSM} 10 ms, $t_{vj \text{ max}}$ A | $\int i^2 dt$ 10 ms, $t_{vj \text{ max}}$ kA ² s | I_{FAVM}/t_C A/°C | $V_{(TO)}$ $t_{vj} =$ $t_{vj \text{ max}}$ V | r_T $t_{vj} =$ $t_{vj \text{ max}}$ mΩ | R_{thJC} 180 °el sin. °C/W | R_{thCK} °C/W | $t_{vj \text{ max}}$ °C | Outline |
|------|-------------------------------------------------------|------------------|--------------------------------------------------|----------------------------------------------------------------------|------------------------|-------------------------------------------------------|---------------------------------------------------|---------------------------------------|--------------------|----------------------------|---------|
|------|-------------------------------------------------------|------------------|--------------------------------------------------|----------------------------------------------------------------------|------------------------|-------------------------------------------------------|---------------------------------------------------|---------------------------------------|--------------------|----------------------------|---------|

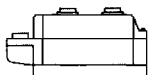
Baseplate = 30 mm


| | | | | | | | | | | | | |
|----------|----------------------------------------------|-----|------|-------|---------|------|-----|-----|------|-----|----|-------------------------------------------------------------------------------------|
| DD 151 N | 600 800 1200 1400 1600 1800 2000 2200* | 240 | 4600 | 105.8 | 151/100 | 0.75 | 0.9 | 0.3 | 0.06 | 150 | 50 |  |
|----------|----------------------------------------------|-----|------|-------|---------|------|-----|-----|------|-----|----|-------------------------------------------------------------------------------------|


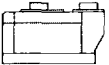
Baseplate = 34 mm

| | | | | | | | | | | | | |
|----------|-----------------|-----|------|-----|---------|------|-----|------|------|-----|----|-------------------------------------------------------------------------------------|
| DD 171 N | 600 800 1200 | 270 | 5600 | 157 | 170/100 | 0.75 | 0.8 | 0.26 | 0.06 | 150 | 51 |  |
| ND 171 N | 1400 1600 1800* | | | | | | | | | | | |


Baseplate = 50 mm

| | | | | | | | | | | | | |
|----------|-------------------------|-----|------|----|--------------------|-----|-----|------|------|-----|----|--------------------------------------------------------------------------------------|
| DD 175 N | 2800 3000 3200 3400* | 350 | 4000 | 80 | 223/ 78 175/100 | 0.9 | 1.8 | 0.17 | 0.04 | 150 | 52 |  |
|----------|-------------------------|-----|------|----|--------------------|-----|-----|------|------|-----|----|--------------------------------------------------------------------------------------|


| | | | | | | | | | | | | |
|----------|------------------------|-----|------|-----|--------------------|-----|------|------|------|-----|--|--------------------------------------------------------------------------------------|
| DD 231 N | 2000 2200 2400 2600 | 410 | 6400 | 205 | 260/ 91 231/100 | 0.8 | 0.84 | 0.17 | 0.04 | 150 | |  |
|----------|------------------------|-----|------|-----|--------------------|-----|------|------|------|-----|--|--------------------------------------------------------------------------------------|

| | | | | | | | | | | | | |
|----------|-----------------|-----|------|-----|---------|-----|------|------|------|-----|----|---------------------------------------------------------------------------------------|
| DD 260 N | 600 800 1200 | 410 | 8300 | 344 | 260/100 | 0.7 | 0.68 | 0.17 | 0.04 | 150 | 52 |  |
| ND 260 N | 1400 1600 1800* | | | | | | | | | | 54 |  |

| | | | | | | | | | | | | |
|----------|------------------------|-----|------|-----|---------|-----|------|------|------|-----|----|--|
| DD 261 N | 2000 2200 2400 2600 | 410 | 8300 | 344 | 260/100 | 0.7 | 0.68 | 0.17 | 0.04 | 150 | 52 | |
|----------|------------------------|-----|------|-----|---------|-----|------|------|------|-----|----|--|


| | | | | | | | | | | | | |
|----------|--------------------|-----|------|-----|---------|------|-----|------|------|-----|--|---------------------------------------------------------------------------------------|
| DD 285 N | 200 400 600 800 | 450 | 8300 | 344 | 285/100 | 0.75 | 0.4 | 0.17 | 0.04 | 150 | |  |
|----------|--------------------|-----|------|-----|---------|------|-----|------|------|-----|--|---------------------------------------------------------------------------------------|

| | | | | | | | | | | | | |
|----------|--------------------------------|-----|-------|-----|---------|------|-----|------|------|-----|--|--|
| DD 350 N | 600 800 1200 1400 1600 1800 | 550 | 11000 | 605 | 350/100 | 0.75 | 0.4 | 0.13 | 0.04 | 150 | | |
|----------|--------------------------------|-----|-------|-----|---------|------|-----|------|------|-----|--|--|

| | | | | | | | | | | | | |
|------------|--------------------------------|------|-------|------|---------|------|-------|-------|------|-----|----|---------------------------------------------------------------------------------------|
| ▲ DZ 600 N | 600 800 1200 1400 1600 1800 | 1150 | 19000 | 1805 | 735/ 84 | 0.75 | 0.215 | 0.078 | 0.02 | 150 | 53 |  |
|------------|--------------------------------|------|-------|------|---------|------|-------|-------|------|-----|----|---------------------------------------------------------------------------------------|

Baseplate = 60 mm

| | | | | | | | | | | | | |
|----------|------------------------|-----|-------|-----|--------------------|------|------|-------|------|-----|----|--|
| DD 540 N | 2000 2200 2400 2600 | 900 | 13000 | 845 | 540/100 573/ 95 | 0.78 | 0.31 | 0.078 | 0.02 | 150 | 56 | |
|----------|------------------------|-----|-------|-----|--------------------|------|------|-------|------|-----|----|--|

| | | | | | | | | | | | | |
|----------|--------------------------------|-----|-------|------|---------|------|-------|-------|------|-----|--|---------------------------------------------------------------------------------------|
| DD 600 N | 600 800 1200 1400 1600 1800 | 950 | 19000 | 1800 | 600/100 | 0.75 | 0.215 | 0.078 | 0.02 | 150 | |  |
|----------|--------------------------------|-----|-------|------|---------|------|-------|-------|------|-----|--|---------------------------------------------------------------------------------------|

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

▲ New type

* Delivery for large quantities on request