



DESIGN KIT

WE-VD Disk Varistor



**Our varistors
are free of
halogens!**



SIZE:

5 mm ~ 20 mm

TECHNICAL DATA:

V_{RMS}^* : 25 V ~ 680 V
 V_{DC}^* : 31 V ~ 895 V
 I_{peak}^* : 100 A ~ 10 000 A
 W_{max}^* : 1.2 J ~ 620 J

Approved according to UL 1414, UL1449 3rd,
CSA, VDE and IEC60950 Annex Q

Order Code 820 999
Version 2.0

WE-VD Disk Varistor



| 5 mm / 7 mm | |
|------------------------|-------------|
| 820 552 501 | |
| V_{RMS} / V_{DC} | 25 V / 31 V |
| I_{peak} | 100 A |
| W_{max} | 1.2 J |
| Cert _{UL1449} | Other |
| UL1449 _{VPR} | 330 V |

| 10 mm | |
|------------------------|-------------|
| 820 412 001 | |
| V_{RMS} / V_{DC} | 20 V / 26 V |
| I_{peak} | 1000 A |
| W_{max} | 4.8 J |
| Cert _{UL1449} | Other |
| UL1449 _{VPR} | 330 V |

| 14 mm | |
|------------------------|-------------|
| 820 542 501 | |
| V_{RMS} / V_{DC} | 25 V / 31 V |
| I_{peak} | 1000 A |
| W_{max} | 9.4 J |
| Cert _{UL1449} | Other |
| UL1449 _{VPR} | 330 V |

| 20 mm | |
|------------------------|---------------|
| 820 443 211E | |
| V_{RMS} / V_{DC} | 320 V / 418 V |
| I_{peak} | 6000 A |
| W_{max} | 190 J |
| Cert _{UL1449} | Type 2 |
| UL1449 _{VPR} | 1200 V |

| 20 mm | |
|------------------------|---------------|
| 820 423 211 | |
| V_{RMS} / V_{DC} | 320 V / 418 V |
| I_{peak} | 10000 A |
| W_{max} | 382 J |
| Cert _{UL1449} | Type 2 |
| UL1449 _{VPR} | 1500 V |

| | |
|------------------------|-------------|
| 820 574 001 | |
| V_{RMS} / V_{DC} | 40 V / 56 V |
| I_{peak} | 250 A |
| W_{max} | 4.3 J |
| Cert _{UL1449} | Other |
| UL1449 _{VPR} | 330 V |

| | |
|------------------------|---------------|
| 820 411 311 | |
| V_{RMS} / V_{DC} | 130 V / 170 V |
| I_{peak} | 3500 A |
| W_{max} | 35 J |
| Cert _{UL1449} | Type 3 |
| UL1449 _{VPR} | 500 V |

| | |
|------------------------|---------------|
| 820 441 311E | |
| V_{RMS} / V_{DC} | 130 V / 170 V |
| I_{peak} | 6000 A |
| W_{max} | 70 J |
| Cert _{UL1449} | Type 2 |
| UL1449 _{VPR} | 800 V |

| | |
|------------------------|---------------|
| 820 444 611E | |
| V_{RMS} / V_{DC} | 460 V / 615 V |
| I_{peak} | 6000A |
| W_{max} | 230 J |
| Cert _{UL1449} | Type 2 |
| UL1449 _{VPR} | 2000 V |

| | |
|------------------------|---------------|
| 820 425 511 | |
| V_{RMS} / V_{DC} | 550 V / 745 V |
| I_{peak} | 10000 A |
| W_{max} | 510 J |
| Cert _{UL1449} | Type 2 |
| UL1449 _{VPR} | 4000 V |

| | |
|------------------------|---------------|
| 820 572 711 | |
| V_{RMS} / V_{DC} | 275 V / 350 V |
| I_{peak} | 1200 A |
| W_{max} | 33 J |
| Cert _{UL1449} | Other |
| UL1449 _{VPR} | 1000 V |

| | |
|------------------------|---------------|
| 820 412 711 | |
| V_{RMS} / V_{DC} | 275 V / 350 V |
| I_{peak} | 3500 A |
| W_{max} | 80 J |
| Cert _{UL1449} | Type 3 |
| UL1449 _{VPR} | 900 V |

| | |
|------------------------|---------------|
| 820 442 711E | |
| V_{RMS} / V_{DC} | 275 V / 350 V |
| I_{peak} | 6000 A |
| W_{max} | 155 J |
| Cert _{UL1449} | Type 2 |
| UL1449 _{VPR} | 1200 V |

| | |
|------------------------|---------------|
| 820 445 511E | |
| V_{RMS} / V_{DC} | 550 V / 745 V |
| I_{peak} | 6000 A |
| W_{max} | 255 J |
| Cert _{UL1449} | Type 2 |
| UL1449 _{VPR} | 2000 V |

| | |
|------------------------|---------------|
| 820 426 811 | |
| V_{RMS} / V_{DC} | 680 V / 895 V |
| I_{peak} | 10000 A |
| W_{max} | 620 J |
| Cert _{UL1449} | Type 2 |
| UL1449 _{VPR} | 4000 V |



UL 1414
File No E345659
UL1449 3rd
File No E332875



File 40016986
incl. IEC60950 Annex Q
File 40016998
incl. IEC60950 Annex Q



CSA 2221-01
File 224856



For use in Type X SPD Applications
according to UL1449 3rd ed.



Voltage Protection Rating at 6 kV/3 kA
or nominal discharge current



Approved according to IEC60950 Annex Q
for use in Europe / Japan / USA

**Our varistors are
free of halogens!**



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