

■ Multi-stage Modules

| Type | Model No. | Order No. | I _{max} (A) | V _{max} (volts) | | | Δ T _{max} (°C) | | | Q _{cmax} (watts) | | | Top ceramics | | Bottom ceramics | | Height H(mm) | Height tolerance (±mm) | Ceramic material | Metallization | | Lead Wire diameter (mm) | RoHS compliant |
|---------------------|-----------|--------------|----------------------|--------------------------|---------|---------|-------------------------|---------|---------|---------------------------|---------|---------|--------------|--------|-----------------|--------|--------------|------------------------|---|---------------|----------|-------------------------|----------------|
| | | | | Th=27°C | Th=50°C | Th=70°C | Th=27°C | Th=50°C | Th=70°C | Th=27°C | Th=50°C | Th=70°C | W1 (mm) | L1(mm) | W2 (mm) | L2(mm) | | | | Ni | Cu-Ni-Au | | |
| Multi-stage modules | K4MA010 | 10016210BBE1 | 4.5 | 14.4 | 16.1 | 17.7 | 129 | 144 | 158 | 6.4 | 7.1 | 7.7 | 8.5 | 13.0 | 19.25 | 20.75 | 7.8 | 0.5 | Aluminum nitride(AlN) | | ○ | φ 0.4 | ○ |
| | K5MA004 | 10018410BBE1 | 4.4 | 14.1 | 15.8 | 17.4 | 138 | 156 | 171 | 2.6 | 2.9 | 3.2 | 6.6 | 11.0 | 19.25 | 20.75 | 10.3 | 0.6 | | | ○ | φ 0.4 | ○ |
| | K3MC011 | 10008550BBE1 | 5.1 | 7.5 | 8.5 | 9.3 | 115 | 130 | 142 | 6.2 | 6.8 | 7.3 | 8.5 | 13.0 | 21.5 | 28.0 | 7.3 | 0.4 | | | ○ | φ 0.4 | ○ |
| | K4MC005 | 10008560BBE1 | 4.7 | 7.2 | 8.1 | 8.9 | 127 | 144 | 158 | 2.9 | 3.3 | 3.5 | 6.6 | 11.0 | 21.5 | 28.0 | 9.4 | 0.5 | | | ○ | φ 0.4 | ○ |
| | K2M006 | 10007330BBB1 | 2.6 | 1.0 | 1.1 | 1.2 | 94 | 106 | 116 | 0.7 | 0.8 | 0.8 | 4.05 | 4.05 | 4.05 | 4.05 | 3.0 | 0.2 | Alumina (Al ₂ O ₃) | | ○ | φ 0.3 | ○ |
| | K2M030 | 10017720BBB1 | ↑ | 4.1 | 4.6 | 5.1 | ↑ | ↑ | ↑ | 3.6 | 3.9 | 4.0 | 8.05 | 8.05 | 8.05 | 8.05 | 3.0 | ↑ | | | ○ | φ 0.3 | ○ |
| | K2M034 | 10018520BBB1 | ↑ | 4.6 | 5.2 | 5.7 | ↑ | ↑ | ↑ | 4.1 | 4.4 | 4.6 | 6.05 | 12.05 | 6.05 | 12.05 | 3.0 | ↑ | | | ○ | φ 0.3 | ○ |
| | K3M-002 | 10010830BBB1 | 1.6 | 2.2 | 2.4 | 2.7 | 121 | 136 | 150 | 0.3 | 0.4 | 0.4 | 3.0 | 3.0 | 6.0 | 6.0 | 4.3 | 0.3 | | | ○ | φ 0.3 | ○ |

I_{max} : Maximum current Current at ΔT_{max}, Q_c=0
 V_{max} : Maximum terminal voltage Terminal voltage at I_{max}, ΔT_{max}, Q_c=0
 ΔT_{max} : Maximum temperature difference Temperature difference between the cold side and the hot side and the host side ceramics
 Q_{cmax} : Maximum heat pumped at the cold side Heat pumped at I_{max}, ΔT=0
 T_h : Hot side ceramics temperature Ceramics temperature at the hot side

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