300W NON-INDUCTIVE, LOW-PROFILE
CHASSIS MOUNT RESISTORS

CM300 SERIES

FEATURES
300W with low profile & small size
Non-inductive, light weight
High stability/reliability
Wide resistance range
Up to 5KV insulation voltage available
Virtually vibration-proof
-55°C to +175°C operating temperature
RoHS is standard

OPTIONS
Military burn-in/screening and numerous design modifications are available such as flexible leads of different diameters/lengths/materials, custom values, custom marking, lead/Pb terminations, etc.

Dimensions

Requirements | Characteristics, Typ. | Test Method |
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Power Rating | 300W | At flange temp. <= +25°C |
Resistance Range and Tolerance | 0.1Ω to 1M; 2%, 5% & 10% standard | |
Temperature Coefficient | ± 100ppm | +25°C to +125°C, except opt.L in low values |
Operating Temperature Range | -55°C to +175°C | Measured at flange surface |
Max Working Voltage | 1000V (up to 2000V available) | E=√PxR or 1KV (up to 2KV) |
Dielectric Strength | 2KVAC (up to 5KV available) | 60 sec. between terminal & flange |
Load Life Stability | ± 1% | Continuous power, 1000 hours |
Moisture Resistance | ± 1% | 60°C, 90-95% RH, 1000 hours |
Insulation Resistance | > 1000 Megohms | Between terminals & flange |
Derating | 300W at 25°C to 0W at 175°C | Derate linearly |
Thermal Imedance | .23W/°C | From resistor to flange |

Part Number Example: CM300L-104-J-W

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Sale of this product is in accordance with GF-661. Specifications subject to change without notice.