

# Common Mode Inductors NANOCRYSTALLINE

RoHS

- |  |                                   |
|--|-----------------------------------|
| 1 Applications: input and output filters, power electronics, common mode noise suppression | 1 High rated currents             |
| 1 Good isolation through plastic case and winding spacer                                   | 1 Frequency range: 1kHz to 300MHz |
| 1 Very high permeability nano-core material  | 1 2500Vrms Hipot between windings |
| 1 Rated Voltage at 250Vac  | 1 UL94V-0 flammability rating     |
|  | 1 Industry Standard Package       |
|  | 1 Custom Values Available         |

## ELECTRICAL SPECIFICATIONS AT 25°C - OPERATING TEMPERATURE RANGE -40°C TO +125°C

| PART NUMBER | INDUCTANCE AT 10kHz (mH) |         | RATED CURRENT AT 60°C (A) | DCR MAXIMUM FOR EACH WDG. (mΩ) | SRF TYPICAL (MHz) | PIN Ø (mm) TYP. |
|-------------|--------------------------|---------|---------------------------|--------------------------------|-------------------|-----------------|
|             | TYPICAL                  | MINIMUM |                           |                                |                   |                 |
| PM-OM801    | 1.0                      | 0.5     | 16.0                      | 3.3                            | 13.0              | 1.19            |
| PM-OM802    | 2.0                      | 1.0     | 14.5                      | 6.0                            | 13.0              | 1.06            |
| PM-OM803    | 9.0                      | 4.5     | 7.7                       | 28.0                           | 1.15              | 0.76            |
| PM-OM804    | 17.0                     | 8.5     | 5.5                       | 50.0                           | 0.50              | 0.68            |
| PM-OM805    | 33.0                     | 16.5    | 3.8                       | 90.0                           | 0.35              | 0.54            |

### NOTES:

- 1)  $I_{dc}$  is the current that typically lead to a temperature rise of 60°C.
- 2) Operating temperature range - 40°C to +125°C.
- 3) HIPOT between windings 2,500V<sub>RMS</sub>

### PACKAGE

Physical Dimensions in mm

### SCHEMATICS

