Type YM Series
Thermometrics
PTC Thermistors

Description
Thermometrics YM Series consists of a range of radially-wired PTC disc thermistors with silicone resin coating.

Features
- Fast switching times
- Operation up to 265V rms
- Wide range of operating current levels
- Excellent stability
- Fail-safe operation
- Solid state
- High performance barium titanate ceramic
- Suitable for automatic PCB insertion

Applications
- Designed for general purpose over-current, overvoltage and direct over-temperature protection

Packaging
All types in the YM range are available loose-packed, as shown in the drawing. Devices are also available on bandolier (tape & reel): types with diameter a <12 mm comply with IEC 286-2.

To identify the packaging required, replace N in the product codes shown in table as follows:

YM
Bandoliered ......................................................R*
Loose-packed .................................................N

YQS
Bandoliered ...................................................Add T suffix

Pack quantities:
Loose-packed ..........................................500-2500/box
Bandoliered .............................................375-1500/reel

*YM120D260N150
*YM120D370N100
Not available taped and reeled
# Electrical Specifications

## Maximum Operating Voltage
265V rms

## Switch Temperature
120°C nominal

## Tolerance on $R_{25}$
±20%

## Ambient Temperature Range
- At Storage: -25 to +155°C
- At Maximum Voltage: 0 to +55°C

## Lead Wire Material
Tin-coated copper

## Body Coating
Silicone resin, black YM, green YQS

## Part Number Replacement

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<th>$I_{\text{t.m}}$ (mA)</th>
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<th>$I_{\text{res}}$ (mA)</th>
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