

T H E R M O M E T R I C S
A COMMITMENT TO EXCELLENCE
AN AMPHENOL COMPANY

Type YM Series

Thermometrics PTC Thermistors



Thermometrics YM Series consists of a range of radially-wired PTC disc thermistors.

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:

BandolieredR*
Loose-packedN

Pack quantities:

Loose-packed500-2500/box
Bandoliered 1000/reel

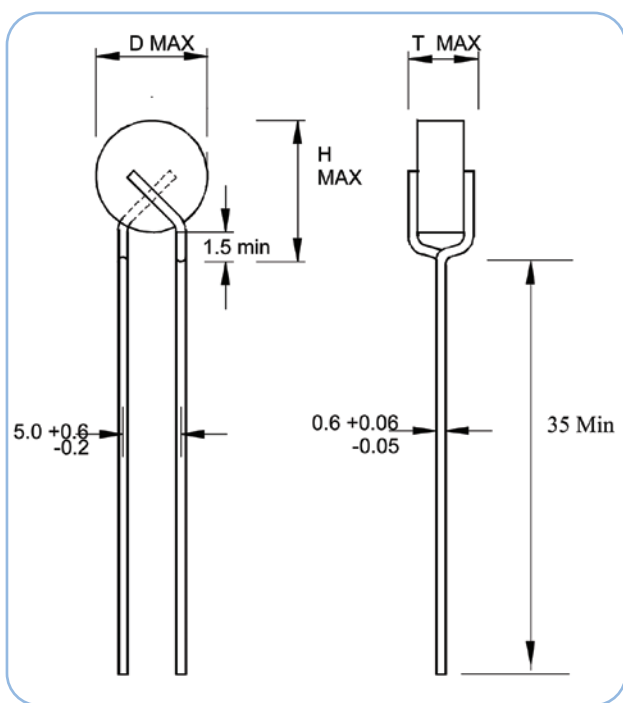
*YM120D260N150

*YM120D370N100

Not available taped and reeled

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Electrical Specifications

Maximum Operating Voltage

265V rms

Switch Temperature

120°C nominal

Tolerance on R₂₅

±20%

Ambient Temperature Range

At Storage: -25 to +155°C

At Maximum Voltage: 0 to +55°C

Lead Wire Material

Tin-coated copper

Part Number	Replacement for	R @ 25°C Ω	Maximum Current without Tripping (I _m) mA		Minimum Trip Current (I _t) mA		Maximum Overload Current (I _{mo}) A	Maximum Residual Current (I _{res}) mA	D (max) mm	T (max) mm	H (max) mm
			T=25°C	T=55°C	T=25°C	T=10°C					
YM120C15N182		1800	16	14	23	28	0.1	5	4	5	8
YM120C20N122		1200	20	17	28	34	0.1	6	4	5	8
YM120C30N601	YQS8070	600	28	23	40	46	0.2	5	4	5	8
YM120C45N301	YQS8069	300	39	31	55	62	0.2	7	4	5	9
YM120C80N101	YQS8068	100	70	54	98	108	0.4	7	4.5	5	12
YM120D105N600	YS8067	60	93	72	131	144	0.6	9	6	4.5	12
YM120D125N450		45	110	85	155	170	0.7	9	7	4.5	12
YM120D150N330	YQS8066	33	128	99	181	198	0.9	12	7.5	4.5	12
YM120D170N250		25	161	125	228	250	1.1	10	8.5	4.5	13
YM120D200N200	YQS8065	20	192	149	265	298	1.3	10	9.5	4.5	15
YM120D260N150		15	234	181	330	362	1.7	12	11.5	4.5	16
YM120D370N100		10	314	243	444	486	2.7	16	14.5	4.5	18

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