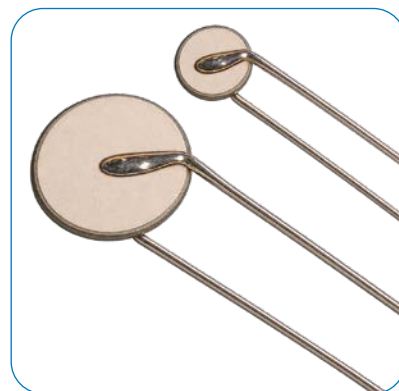


THERMOMETRICS
A COMMITMENT TO EXCELLENCE
AN AMPHENOL COMPANY

Type YM Series

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. Types with diameter ϕ < 12 mm comply with IEC 286-2.

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

Loose-packedN

Pack quantities:

Loose-packed500-2500/box

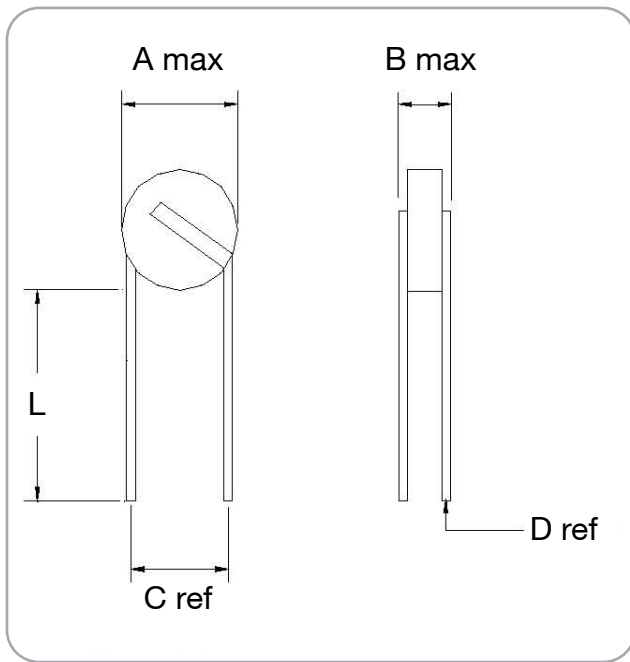
*YM120D260N150

*YM120D370N100

Not available taped and reeled

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Electrical Specifications

Maximum Operating Voltage

265V rms

Switch Temperature

120°C nominal

Tolerance on 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

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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