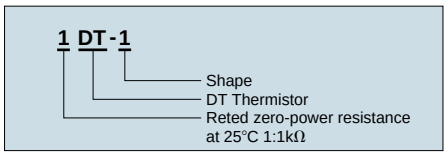
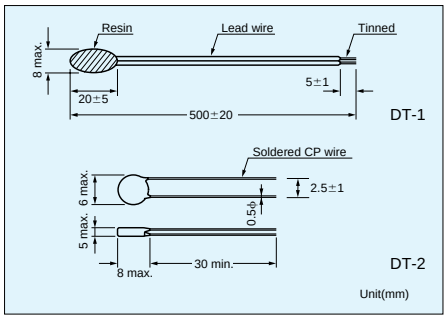
DT THERMISTOR

The DT thermistor used for room temperature controls, is applied in accordance with several operating conditions as opposed to actually compensating temperature. This high quality, stable thermistors can be employed for temperature control sensing between −50°C and 100°C.

Part number



Dimensions



Specifications

Part No.	R_{25}*1	B value*2	Dissipation factor (mW/°C)	Thermal time constant (s)*3	Rated power at 25°C(mW)	Operating temp. range(°C)
1DT-1(2)	1.0kΩ±5%	3230K±3%	8.5(5.0)	60(25)	42(25)	−50~100(110)
2DT-1(2)	2.0kΩ±5%	3230K±3%	8.5(5.0)	60(25)	42(25)	−50~100(110)
5DT-1(2)	5.0kΩ±5%	3330K±3%	8.5(5.0)	60(25)	42(25)	−50~100(110)
10DT-1(2)	10.0kΩ±5%	3330K±3%	8.5(5.0)	60(25)	42(25)	−50~100(110)
20DT-1(2)	20.0kΩ±5%	3280K±3%	8.5(5.0)	60(25)	42(25)	−50~100(110)
30DT-1(2)	30.0kΩ±5%	3280K±3%	8.5(5.0)	60(25)	42(25)	−50~100(110)
50DT-1(2)	50.0kΩ±5%	4870K±3%	8.5(5.0)	60(25)	42(25)	−50~100(110)
100DT-1(2)	100.0kΩ±5%	4870K±3%	8.5(5.0)	60(25)	42(25)	−50~100(110)

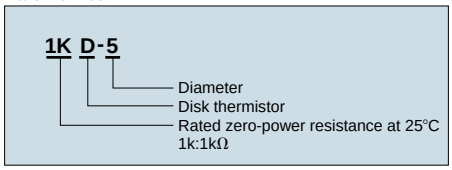
*1 R_{25} : Rated zero-power resistance value at 25°C.
*2 B value : determined by rated zero-power resistance at 25°C and 85°C.
*3 Time when thermistor temperature reaches 63.2% of the temperature difference. The value is measured in the air.

TEMPERATURE COMPENSATION

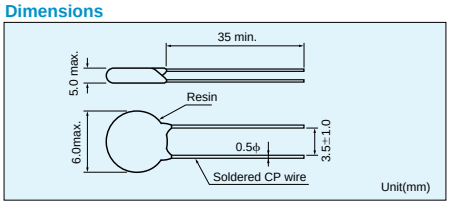
D THERMISTOR

The D thermistor, based on resistance changes, is used in transistor, coil and other such temperature compensating circuits found in TV's, radio, etc.

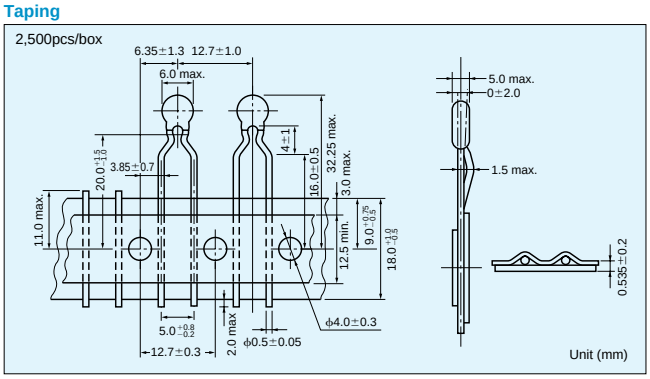
Part number



Dimensions



Taping



Specifications

Part No.	R_{25}*1	B value*2	Dissipation factor (mW/°C)	Thermal time constant(s)*3	Rated power at 25°C(mW)	Operating temp. range(°C)
50D-5	50.0Ω±15%	3250K±5%	3.5	13	297	−40~+110
80D-5	80.0Ω±15%	3300K±5%	3.5	13	297	−40~+110
100D-5	100.0Ω±15%	3300K±5%	3.5	13	297	−40~+110
200D-5	200.0Ω±15%	3400K±5%	3.5	13	297	−40~+110
250D-5	250.0Ω±15%	3450K±5%	3.5	13	297	−40~+110
300D-5	300.0Ω±15%	3500K±5%	3.5	13	297	−40~+110
360D-5	360.0Ω±15%	3550K±5%	3.5	13	297	−40~+110
500D-5	500.0Ω±15%	3650K±5%	3.5	13	297	−40~+110
800D-5	800.0Ω±15%	3850K±5%	3.5	13	297	−40~+110
1KD-5	1.0kΩ±15%	3950K±5%	3.5	13	297	−40~+110
1.5KD-5	1.5kΩ±15%	3950K±5%	3.5	13	297	−40~+110
2KD-5	2.0kΩ±15%	4000K±5%	3.5	13	297	−40~+110
5KD-5	5.0kΩ±15%	4100K±5%	3.5	13	297	−40~+110
8KD-5	8.0kΩ±15%	4200K±5%	3.5	13	297	−40~+110
10KD-5	10.0kΩ±15%	4200K±5%	3.5	13	297	−40~+110
15KD-5	15.0kΩ±15%	4250K±5%	3.5	13	297	−40~+110
20KD-5	20.0kΩ±15%	4300K±5%	3.5	13	297	−40~+110
25KD-5	25.0kΩ±15%	4300K±5%	3.5	13	297	−40~+110
50KD-5	50.0kΩ±15%	4650K±5%	3.5	13	297	−40~+110
100KD-5	100.0kΩ±15%	4850K±5%	3.5	13	297	−40~+110

*1 R_{25} : Rated zero-power resistance value at 25°C, ±10% are also available.
*2 B value : determined by rated zero-power resistance at 25°C and 85°C.
*3 Time when thermistor temperature reaches 63.2% of the temperature difference. The value is measured in the air.