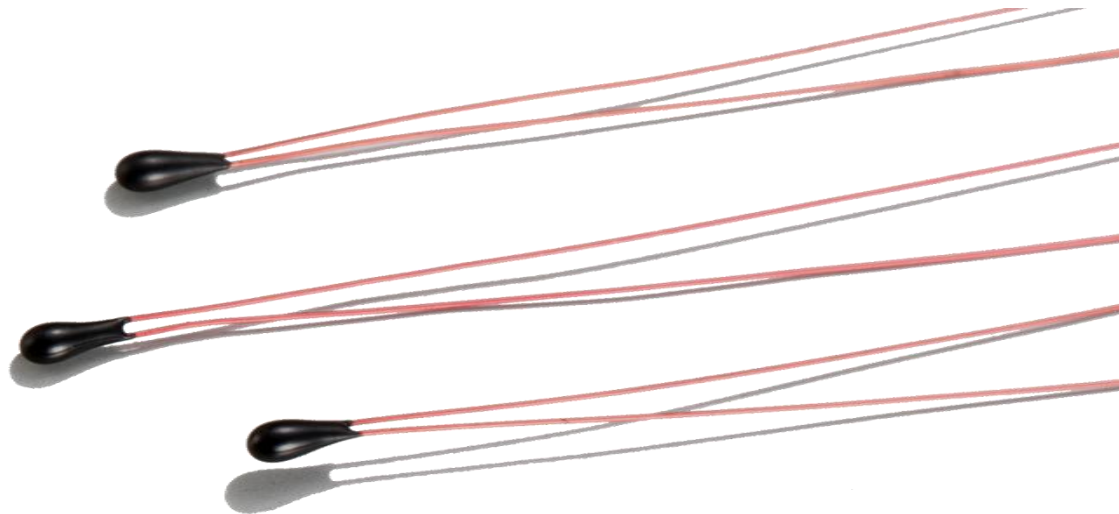




# JOYIN JTD Series





# JTD Series Ordering Code

## JTD Ordering Code Description

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
J	T	D	1	0	3	F	3	4	4	F	B	1	2	0	8	7	N	-	1
↓			↓		↓		↓		↓		↓		↓		↓		↓		↓
①			②		③		④		⑤		⑥		⑦		⑧		⑨		⑩

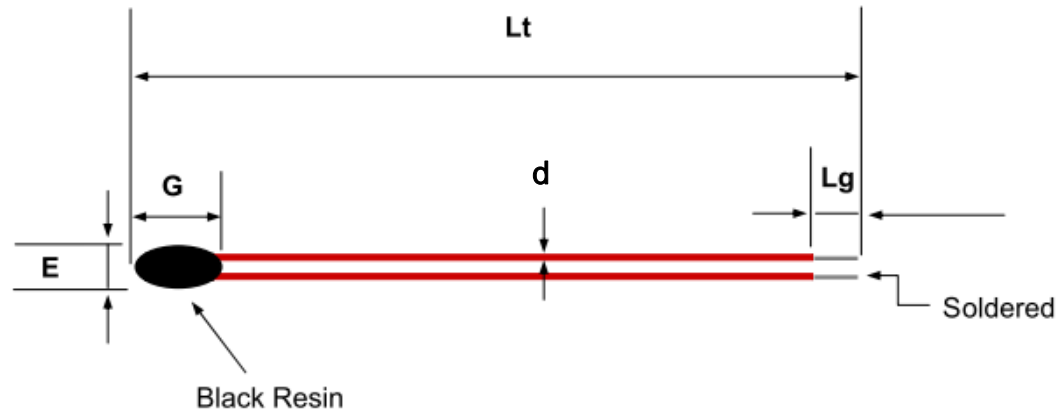


1	Series NO.	JTD	5	B Value tolerance	F=±1% G=±2%	9	Coating & leas style	N= Epoxy & straight lead Y= Epoxy & kink lead
2	R Value at 25°C	103 = 10KΩ 503 = 50KΩ 104 = 100KΩ	6	B Value definition	A=25/50 B=25/85	10	Optional Suffix	Internal Control Code
3	R tolerance at 25°C	F = ±1% G = ±2%	7	Wire dia. and wire type	12= Ø0.12mm magnet wire TA= Ø0.3mm Teflon wire			
4	B Value	344 = 3435 K 405 = 4050 K	8	Length	025=25mm 087=87mm			

For Example:

JTD103F398FB12087N / JTD103F344FBTA030N

# JTD Series 規格説明



Wire Type	G max	E max	$L_t \pm 3$	$L_g \pm 1$	d
CP-wire	5.0	1.6	35~100	3.0	Ø 0.20
Teflon wire	6.0	1.8	35~80	3.0	Ø 0.30

## Electrical Characteristics

	Max. Power Rating at 25°C	Dissipation Factor	Thermal Time Constant	Operating Temperature Range
Wire Type	P max (mW)	$\delta$ (mW/°C)	$\tau$ (sec.)	T <sub>L</sub> ~ T <sub>U</sub> (°C)
CP-wire	3.5	Approx. 0.7	Approx. 3.2	-30 ~ +100
Teflon wire	3.5	Approx. 0.7	Approx. 3.2	-30 ~ +100



# JTD Electrical Characteristics

Part No.	R25 ( $\Omega$ )	R Tolerance (%)	B 25/50 (K)	B 25/85 (K)	B Tolerance (%)	
JTD103X338YA	10,000	5,3,2,1	3380		5,3,2,1	
JTD103X395YA	10,000	5,3,2,1	3950		5,3,2,1	
JTD473X395YA	47,000	5,3,2,1	3950		5,3,2,1	
JTD503X395YA	50,000	5,3,2,1	3950			
JTD104X395YA	100,000	5,3,2,1	3950		5,3,2,1	
JTD103X344YB	10,000	5,3,2,1		3435	5,3,2,1	
JTD103X398YB	10,000	5,3,2,1		3980	5,3,2,1	
JTD104X408YB	100,000	5,3,2,1		4080		

※ X : R Tolerance , Y : B Value Tolerance



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# JTD Series R/T Table ( 1 )

TEMP °C	JTD103X338YA	JTD103X395YA	JTD473X395YA	JTD503X395YA	JTD104X395YA		
	B25/50	B25/50	B25/50	B25/50	B25/50		
	Center (KΩ)	Center (KΩ)	Center (KΩ)	Center (KΩ)	Center (KΩ)		
-30	121.095	177.047	793.734	839.891	1688.796		
-25	92.187	130.814	589.936	626.244	1255.183		
-20	71.178	97.647	441.721	470.590	939.832		
-15	55.573	73.545	333.495	356.351	709.565		
-10	43.789	55.847	253.966	271.888	540.354		
-5	34.778	42.736	195.072	208.985	415.047		
0	27.817	32.949	151.090	161.800	305.749		
5	22.397	25.589	117.957	126.155	250.973		
10	18.145	20.018	92.782	99.040	197.409		
15	14.790	15.772	73.493	78.273	156.367		
20	12.127	12.515	58.594	62.263	124.669		
25	10.000	10.000	47.000	49.840	100.000		
30	8.293	8.046	37.913	40.139	80.666		
35	6.915	6.517	30.745	32.518	65.414		
40	5.797	5.313	25.054	26.494	53.307		
45	4.885	4.359	20.512	21.706	43.642		
50	4.136	3.599	16.867	17.879	35.886		
55	3.519	2.988	13.927	14.802	29.632		
60	3.007	2.495	11.545	12.317	24.564		
65	2.581	2.095	9.608	10.298	20.442		
70	2.223	1.767	8.025	8.651	17.074		
75	1.922	1.498	6.727	7.299	14.312		
80	1.668	1.276	5.658	6.186	12.039		
85	1.451	1.091	4.776	5.265	10.162		
90	1.266	0.937	4.045	4.499	8.607		
95	1.108	0.807	3.438	3.860	7.314		
100	0.971	0.698	2.931	3.324	6.236		



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# JTD Series R/T Table ( 2 )

TEMP °C	JTD103X344YB	JTD103X398YB	JTD104X408YB				
	B25/85	B25/85	B25/85				
	Center (KΩ)	Center (KΩ)	Center (KΩ)	Center (KΩ)	Center (KΩ)	Center (KΩ)	Center (KΩ)
-30	121.095	183.385	1688.796				
-25	92.187	134.567	1255.183				
-20	71.178	99.688	939.832				
-15	55.573	74.561	709.565				
-10	43.789	56.298	540.354				
-5	34.778	42.903	415.047				
0	27.817	32.987	321.467				
5	22.397	25.581	250.973				
10	18.145	20.000	197.409				
15	14.790	15.759	156.367				
20	12.127	12.509	124.669				
25	10.000	10.000	100.000				
30	8.293	8.048	80.666				
35	6.915	6.518	65.414				
40	5.797	5.312	53.307				
45	4.885	4.354	43.642				
50	4.136	3.589	35.886				
55	3.519	2.974	29.632				
60	3.007	2.477	24.564				
65	2.581	2.074	20.442				
70	2.223	1.744	17.074				
75	1.922	1.474	14.312				
80	1.668	1.251	12.039				
85	1.451	1.066	10.162				
90	1.266	0.913	8.607				
95	1.108	0.785	7.314				
100	0.971	0.677	6.236				