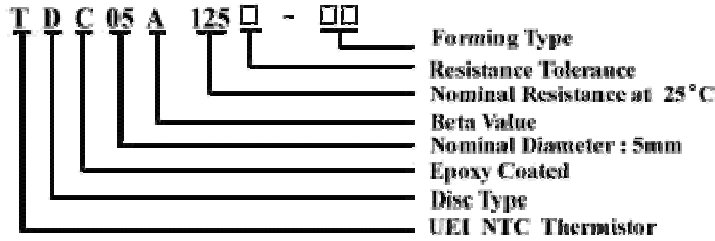


NTC Temperature Compensation Thermistors TDC Series

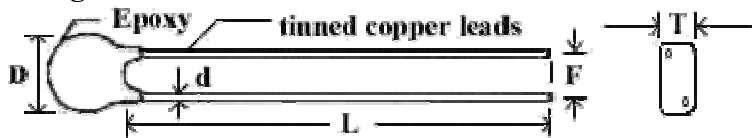
Part number code



Resistance Tolerance : K=±10%:L=±15%

- **Nominal Resistance at 25°C** : The last two digits are significant figures. The first digit specifies the number of zeros to follow.(250Ω is illustrated)
- **Beta Value 25 °C / 50 °C (±7%) code**
 - S : $c < 1600$
 - A : Beta value 1600~3300
 - B : Beta value 3300~3600
 - C : Beta value 3600~4200
 - D : Beta value >4200

Configuration and Dimensions



DiscΦ	Dmax	Lmin	d	F	Tmax
3	4.0	25	0.50±0.02	2.5±1.0	3.5
5	6.5	25	0.50±0.02	3.5±1.0	4.0
5	6.5	25	0.50±0.02	5.0±1.0	4.0

Specifications Unit : mm

Part No.	Nominal Resistance at 25°C(Ohms)	Beta Value(±7%) (°K)	Max. Permissible Current at 25°C(mA)	Thermal Dissipation Constant(mW/°C)	Thermal Time Constant (Sec.)	UL
TDC03A110	100	3141	50	5.5	10	
TDC03A210	1000	3000	25	5.5	10	·
TDC03C220	2000	3800	20	5.5	10	
TDC03C222	2200	3800	20	5.5	10	·
TDC03C227	2700	3800	20	5.5	10	
TDC03C230	3000	3800	18	5.5	10	
TDC03C240	4000	3800	15	5.5	10	

TDC03C247	4700	3800	15	5.5	10	
TDC03C250	5000	3800	15	5.5	10	·
TDC03C268	6800	3800	10	5.5	10	·
TDC03C310	10000	4000	10	5.5	10	·
TDC03C312	12000	4000	10	5.5	10	·
TDC03C315	15000	4000	10	5.5	10	·
TDC03C320	20000	4100	10	5.5	10	
TDC03C322	22000	4100	10	5.5	10	
TDC03C330	30000	4100	7	5.5	10	·
TDC03C333	33000	4100	7	5.5	10	·
TDC03C347	47000	4200	5	5.5	10	·
TDC03C350	50000	4200	5	5.5	10	·
TDC03C368	68000	4200	5	5.5	10	·
TDC03D410	100000	4400	3	5.5	10	·
TDC03D422	220000	4293	2	5.5	10	·

Power rating

Maximum Power Rating:250mW

Part No.	Nominal Resistance at 25°C(Ohms)	Beta Value(±7%) (°K)	Max. Permissible Current at 25°C(mA)	Thermal Dissipation Constant(mW/°C)	Thermal Time Constant (Sec.)	UL
TDC05A015	15	2900	250	6	18	·
TDC05A020	20	2900	250	6	18	
TDC05A045	45	3100	250	6	16	·
TDC05A050	50	3100	250	6	19	
TDC05A070	70	3100	250	6	18	
TDC05A085	85	3100	250	6	19	
TDC05A090	90	3100	250	6	19	·
TDC05A110	100	3100	200	6	19	·
TDC05A112	120	3100	200	6	22	
TDC05A120	200	3000	200	6	14	·
TDC05A122	220	3000	180	6	18	·
TDC05A125	250	3000	150	6	17	·
TDC05A130	300	3000	150	6	15	·
TDC05A135	350	3000	125	6	15	·
TDC05C150	500	3800	100	6	16	·
TDC05C180	800	3700	80	6	18	

TDC05C210	1000	3700	80	6	17	·
TDC05C215	1500	3700	60	6	14	·
TDC05C220	2000	4000	60	6	14	·
TDC05C222	2200	4000	60	6	14	·
TDC05C225	2500	4000	60	6	13	·
TDC05C230	3000	4000	50	6	14	·
TDC05C233	3300	4100	45	6	21	·
TDC05C235	3500	4100	45	6	16	·
TDC05C240	4000	4100	45	6	14	·
TDC05C245	4500	4100	45	6	21	
TDC05C247	4700	4100	45	6	22	·
TDC05C250	5000	4100	45	6	15	·
TDC05C260	6000	4100	40	6	20	
TDC05C310	10000	4100	30	6	15	·
TDC05C312	12000	4100	30	6	21	·
TDC05C315	15000	4200	25	6	18	·
TDC05C320	20000	4200	25	6	18	·
TDC05D330	30000	4400	20	6	19	·
TDC05D333	33000	4400	20	6	21	
TDC05D347	47000	4400	20	6	18	·
TDC05D350	50000	4400	20	6	18	·
TDC05D410	100000	4400	15	6	16	·
TDC05D415	150000	4500	10	6	14	·
TDC05D420	200000	4600	8	6	23	·
TDC05D422	220000	4500	6	6	20	·
TDC05D433	330000	4500	6	6	21	·
TDC05D440	400000	4500	5	6	18	·
TDC05D447	470000	4500/5200	5	6	21/18	·