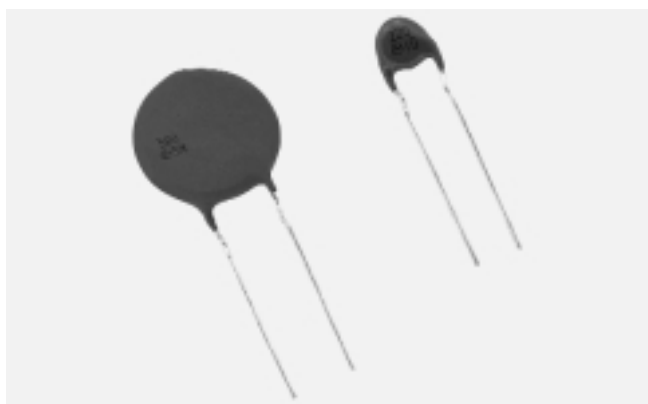


THERMISTOR PRODUCTS

NTC THERMISTOR

LEADED FOR INRUSH CURRENT SUPPRESSION

NTH7-NTH22 Series



The NTH7D-NTH22D Series senses and suppresses surge currents generated by switching power regulators and other similar switches when they are turned on.

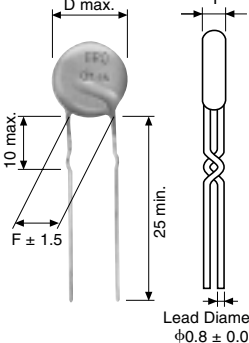
FEATURES

- Small for high density packaging
- Most suitable for switching power supplies under 100W
- Suitable for CRT monitors, color televisions, VCR power supplies, and other power circuits
- Halogen lamp current surge suppression

PART NUMBERING SYSTEM

NTH22D	3R0	LA
LEADED CURRENT SENSING NTC	RESISTANCE VALUE	OTHER SPECIFICATIONS

SPECIFICATIONS

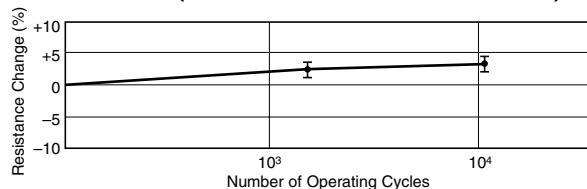
	Part Number	Resistance 25°C (Ohms)	Current (Arms) max.		Typical Dissipation Constant (mW/°C)	Capacity of Capacitor (μF) at 100V max.	Dimensions (mm)			Oper. Temp. Range			
			25°C	55°C			D max.	T max.	F				
	NTH22D3R0LAV	3 ± 15%	5.1	4.5	23.3	5000	25	8	10	-30°C ~ 160°C			
	NTH22D4R0LAV	4 ± 15%	4.4	3.9	22.3		20	7					
	NTH22D6R0LAV	6 ± 15%	3.6	3.2	23.8								
	NTH18D4R0LAV	4 ± 15%	3.7	3.3	16.7	2000	16	6.5	7.5				
	NTH18D6R0LAV	6 ± 15%	3.3	2.9	18.4								
	NTH18D8R0LAV	8 ± 15%	2.8	2.5	18.2								
	NTH13D8R0LAV	8 ± 15%	2.7	2.4	16.4		14	6					
	NTH13D120LAV	12 ± 15%	2.2	1.9	17.1								
	NTH13D160LAV	16 ± 15%	2.0	1.7	14.5								
	NTH11D5R0LAV	5 ± 15%	2.8	2.5	12.6	1000	11	6	7.5				
	NTH11D8R0LAV	8 ± 15%	2.4	2.1	12.9								
	NTH9D100LAV	10 ± 15%	1.9	1.6	10.8	400	9.5	6	7.5				
	NTH9D160LAV	16 ± 15%	1.4	1.2	10.0								
	NTH7D4R0LAV	4 ± 15%	2.3	2.0	9.0		9.5	6					
	NTH7D8R0LAV	8 ± 15%	1.7	1.5	10.2								
	NTH7D160LAV	16 ± 15%	1.1	1.0	9.0								
	NTH7D220LAV	22 ± 15%	1.1	1.0	9.0								

*Maximum Power Halogen Lamp (100V line) = 500W

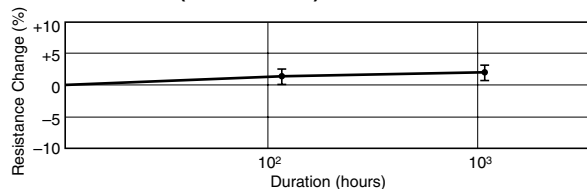
**Taping Package Available NTH7D ~ NTH13D

LIFE CHARACTERISTICS

Intermittent Load (max. current 1 min. ON – 5 min. OFF)



Continuous Load (max. current)



DETERMINATION OF ALLOWABLE CURRENT

