

THERMISTOR PRODUCTS

PTC THERMISTOR FOR DEGAUSSING

muRata

Innovator in Electronics
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PTH451/632 Series

THERMISTOR
PRODUCTS



The PTH451/632 are degaussing elements used to automatically degauss color TV's and color monitors on startup.

FEATURES

- No noise is emitted.
- Long life characteristic since part does not have relay contacts.
- Winding of degaussing coil can be reduced since rush current is large.
- Degauss operation can be performed in a simple circuit.
- Degauss operation can be performed shortly after shutdown due to a quick return to normal resistance.

PART NUMBERING SYSTEM

PTH451	A	3R0	Q	1	1	
PTH451 SERIES Case PTH632 SERIES Leaded	CONSTRUCTION A: 1-element & 2-pin type C: 2-element & 3-pin type D01: lead	RESISTANCE VALUE	RESISTANCE TOLERANCE M: $\pm 20\%$ N: $\pm 30\%$ Q: $+30/-20\%$	MAX. VOLTAGE 1: 140V 2: 270V	OTHER SPECIFICATION 1: Standard	

SPECIFICATIONS

Part Number	Resistance (Ohms)	Rated Voltage (V)	Voltage max. (V)	Current (at 25°C Rated Voltage)				Condition
				0 seconds	3 seconds	180 seconds	Voltage (V)	
PTH451A3R0Q11	$3 \pm 30\%$	100/120	140	17Ap-p min.	200mAp-p max.	60mAp-p max.	100	11
PTH451A5R0M11	$5 \pm 20\%$	100/120	140	36Ap-p min.	200mAp-p max.	70mAp-p max.	100	1
PTH451A4R5Q21	$4.5 \pm 30\%$	220/240	270	22Ap-p min.	300mAp-p max.	50mAp-p max.	200	20
PTH451A7R0Q21	$7 \pm 30\%$	220/240	270	19Ap-p min.	300mAp-p max.	50mAp-p max.	200	20
PTH451A9R0Q21	$9 \pm 30\%$	220/240	270	18Ap-p min.	300mAp-p max.	50mAp-p max.	200	20
PTH451A140M21	$14 \pm 20\%$	220/240	270	25Ap-p min.	300mAp-p max.	40mAp-p max.	220	10
PTH451A180N21	$18 \pm 30\%$	220/240	270	25Ap-p min.	250mAp-p max.	35mAp-p max.	220	8
PTH451C3R0Q11	$3 \pm 30\%$	100/120	140	28Ap-p min.	300mAp-p max.	7mAp-p max.	100	5
PTH451C5R0M11	$5 \pm 20\%$	100/120	140	25Ap-p min.	300mAp-p max.	3mAp-p max.	100	5
PTH451C4R5Q21	$4.5 \pm 30\%$	220/240	270	22Ap-p min.	300mAp-p max.	7mAp-p max.	200	20
PTH451C7R0Q21	$7 \pm 30\%$	220/240	270	19Ap-p min.	300mAp-p max.	7mAp-p max.	200	20
PTH451C9R0Q21	$9 \pm 30\%$	220/240	270	18Ap-p min.	300mAp-p max.	10mAp-p max.	200	20
PTH451C140M21	$14 \pm 20\%$	220/240	270	25Ap-p min.	200mAp-p max.	10mAp-p max.	220	10
PTH451C180N21	$18 \pm 30\%$	220/240	270	15Ap-p min.	300mAp-p max.	10mAp-p max.	200	13
PTH632D01BF5R0M140	$5 \pm 20\%$	100/120	140	45Ap-p min.	300mAp-p max.	60mAp-p max.	100	1
PTH632D01BF7R0M140	$7 \pm 20\%$	100/120	140	25Ap-p min.	260mAp-p max.	60mAp-p max.	100	3.5

DIMENSIONS: mm

PTH451A 	PTH451C 	PTH632D01
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