

Thermistor

Changes in Production of NTC and PTC

Unit: 10,000 pcs.

Item \ year		year			
		1982	1983	1984	1985
NTC	Q'ty	10,610	11,630	13,300	14,700
	Growth rate	100	110	125	139
PTC	Q'ty	1,790	2,470	3,400	4,300
	Growth rate	100	138	190	240
Total	Q'ty	12,400	14,100	16,700	19,000
	Growth rate	100	114	135	153

70 to 80% of the manufacturers included within the "Others" category in previous table manufacture PTC. 17.9 million pieces total PTC production in 1982 consists of 9.9 million by TDK and 8 million by Matsushita and Murata.

PTC exceeds NTC in growth rate.

The reason is that PTC, in addition to its major application for mosquito killers or TV circuits, currently has become used for VTR head heaters, automobiles or dryers. However, as production of mosquito killers has been on the decrease, Unison so far focussing on mosquito killers, stopped production of PTC thermistors.

4) Varistor

Materials: Pbo, Se, Si, Tio, Zno

(a) Outline

Varistor is a kind of special resistors similar to the thermistor. At the same time, it is the general term for the solid devices which provide excellent resistivity response as impressed voltage fluctuates, showing non-linear volt-ampere characteristics.