

Customer's name

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EOL Notice for NTC Thermistor (Chip Type)

March 2026
Panasonic Industry Co., Ltd.
Device Solutions Business Division
Ceramic BU / Sales Department

Overview and Sales Status of NTC Thermistors (Chip Type)

We have long dedicated ourselves to the development, production, and sales of NTC thermistors (chip type), striving to create value for our customers. However, due to significant changes in market conditions, it has become difficult to continue the business. Therefore, we would like to inform you of our plan to discontinue production and sales of this product.

- 1994- Start of sales for temperature sensing and temperature compensation functions
- 2005- High-precision requirement
Improvement in tolerance from $\pm 5\%$ to $\pm 1\%$
- 2009- Smartphone market expanded. Requirement shifted to tight tol. ($\pm 1\%$) and smaller sizes
- 2017- Market expansion resulted increased competition and price declines.

Expanded product range to high precision and small size



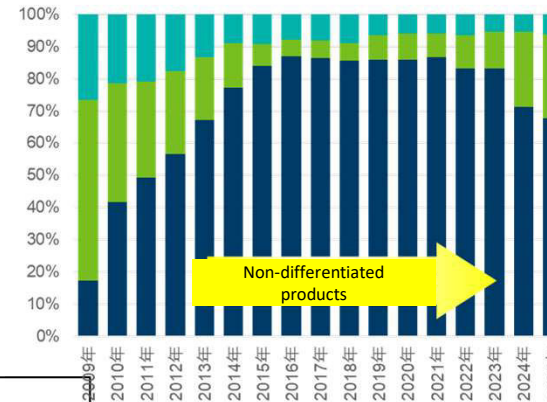
Entry of new overseas manufacturers
Production of small and specialized parts has stagnated

Increased commoditization of products
Reduced competitiveness
as manufacturing differentiation becomes harder.

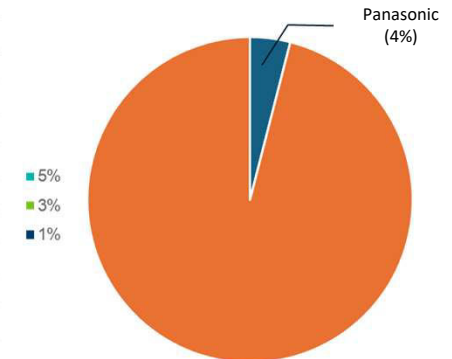
The market has shifted toward tight tol. product
Declined in global market share.
Profitability and business continuity became difficult.

Production History by Resistance Tolerance (Panasonic)

Production Ratio by Resistance Tolerance (Quantity)



Global Market Share (2024)



Production and sales will be in EOL phase in March 2026 onward

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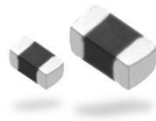
Part numbers beginning with ERTJ will be EOL

Product	NTC Thermistor (Chip Type)
Part Number	1 : NTC Thermistor 2 : NTC Thermistor for Automotive
Schedule	①Deadline for notifying the total requested supply quantity (Total supply quantity from Oct.1, 2026, until the final shipment date) : September 30, 2026 ②Final Order Acceptance Date : March 31, 2028 ③Final Shipment Date : March 30, 2029
Remarks	All such custom version part numbers will follow the same EOL schedule

We sincerely appreciate your understanding and cooperation.

EOL Notice for NTC Thermistor (Chip Type)

【Product】 NTC Thermistors (Chip Type)

Type / Series		Part Number
SMD Type		ERTJ□□□□□

Panasonic INDUSTRY

To:
Dear

Product Discontinuation Notice for certain ZNR(Metal Oxide Varistor) products and NTC Thermistor(Chip type) products

We sincerely appreciate your continued patronage and interest in our products.

This letter serves as formal notice that we will discontinue the manufacture and sale of certain ZNR (Metal Oxide Varistor) products and NTC Thermistor (Chip type) products (as defined in "Discontinued Products" below), (collectively, the "Products").

This is the result of changing market environment, such as product commoditization and intensified competition with other companies including price competition. Based on this, we have made the management decision to withdraw from the business of the Products and hereby notify you of the product discontinuation.

We would like to inform you that our final order acceptance date and final shipment date for the Products are as follows. We request that you notify us, by the deadline specified below, of the total quantities of the Products (including service parts) that you request to supply from October 1st, 2026 until the Final shipment date (defined below). Please note that, if your requested total quantities exceed our supply capacity of the Products, we would like to discuss quantity adjustments separately.

We sincerely appreciate your long-term support of our Products, and would like to ask your understanding of this management decision.

[Detail]

1. Discontinued Products

- Certain ZNR (Metal Oxide Varistor) products
- NTC Thermistor (Chip type) products

Parts numbers of the subject Discontinued Products: Parts numbers as described in the attached Subject Parts Numbers List

2. Schedule

- Deadline for providing written notification specifying total quantities of the Products you request to supply from October 1st, 2026 to the Final shipment date: **September 30, 2026**. You are encouraged to promptly assess your anticipated requirements to ensure adequate supply prior to the discontinuation of the Products. Panasonic need to receive this notification in a timely manner.
- Supply quantities up to September 30th, 2026, will be provided based on the current order management system.
- Final order acceptance date: **March 31st, 2028**
- Final shipment date: **March 30th, 2029**

3. Request for Submission of Confirmation Form

We ask that you will submit the following confirmation form to us within two months from the issuance date of this notice.

4. Your all last time buy orders are subject to acceptance by Panasonic, availability of materials, supply capacity, and compliance with applicable ordering requirements under existing agreements. Orders submitted after the above Final order acceptance date will not be accepted.

Confirmation: Your reply	
Your production status : <input type="checkbox"/> in production <input type="checkbox"/> EOL (repair only)	
Signature _____	Date: _____
Department :	
Title :	
Name :	

Sincerely,



Kentaro Nishiwaki
Business Unit Director
Ceramic Business Unit
DeviceSolutionsBusiness Division
Panasonic Industry Co., Ltd.



Sadatoshi Atsumi
Product Sales Director
Sales Department
Device Solutions Business Division
Panasonic Industry Co., Ltd.

[Need to attach "Subject Parts Numbers List" in this letter]

Parts
ERZE11A331
ERZE11A391
ERZE14A102
ERZE14A271
ERZV05D470
ERZV07D391
ERZV07D820
ERZV10D471CS
ERZV10D621
ERZV10D821
ERZV14D182CS
ERZV14D221
ERZV14D241
ERZV14D330
ERZV14D331
ERZV14D390
ERZV14D431
ERZV14D511
ERZV20D751
ERZV20D820
ERZVGED471
ERZVF2M121
ERZVF2M820
ERZA20PS371
ERTJ0ER103J
ERTJ0EV474J
ERTJ0EA101H
ERTJ0EA470J
ERTJ0ER103J
ERTJ1VA470H
ERTJ1VG103FA
ERTJ1VR153J
ERTJ1VS104JA
ERZV05D470
ERZV10D470
ERZV14D271
ERZV14D471
ERZVA5D220
ERZVF2M820