

Document Receipt Acknowledgement

Date:
Section:
Name:



Document Number: D08948-A-D7300
PD Ref.: E265-N47
Date: Sep. 1, 2025

Attention:
TTI

Product Withdrawal Notice

Lead type NTC thermistor NXFT/NXFS Series

Dear. Valued Customer

Thank you very much for your great and continued support for business with Murata.
This is the official notification that some of our products will be discontinued as detailed below.
Please review this, and approve in writing by Approval Due Date.
Also, please place Last Time Buy Order by the Last Time Order Due Date as needed.
Your understanding and support are highly appreciated.

1. Product Type, Customer/Murata/Alternative Part Numbers:

Product Type: Lead type NTC thermistor NXFT/NXFS Series

Please refer to the attached documents for detailed Part Numbers' information.

2. Reasons/Background:

In 2017, lead type NXFT/NXFS series with Cu-Ni wire was released.
However, it is decided to withdraw from the entire lead thermistor series business,
due to the discontinuation of component materials and a decline in sales
making business continuation difficult.
Along with NXRT/NXRS15 series, whose production was discontinued in March 2025,
Murata also made decision of discontinued production of NXFT/NXFS series.

3. Approval Due: **May., 31, 2026**

Please review this, and reply to Sales for this Notice in writing by Due Date.
In case we do not get any contacts by the Due Date,
we will assume that this Notice with all its contents has been accepted.

4. Product Withdrawal Schedule:

Last Time Order Due (*): **Sep. 30, 2026**

Last Shipment Date: Sep. 30, 2027

* : Last Time Order is the subject to Minimum Order Quantity and Package Quantity.
Order Cancel and Product Return can be accepted only in the case of quality issue.
Please place Last Time Buy Order by the Last Time Order Due Date as needed.
We cannot receive any orders after Last Time Order Due.

5. Contact Window:

Should you have any questions or concerns,
please contact Murata Sales, Representative, or Distributor in your area.

Truly Yours. Thank you.

Murata Manufacturing, Co., Ltd.
Production Engineering Department, Functional Device Division
General Manager, Bunta Kakida



Document Number: D08948-A-D7300
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Confirmation Letter

TTI

Murata Manufacturing, Co., Ltd.

Product Withdrawal Confirmation

Product Type: Lead type NTC thermistor NXFT/NXFS Series

Last Time Order Due: Sep. 30, 2026

Last Shipment Date: Sep. 30, 2027

Product Withdrawal detailed below is

- accepted, and we will not place Last Time Order.
- accepted, and we will place Last Time Order as below.

Last Time Order Schedule:

Last Shipment Schedule:

Comments, Questions, etc.

Signature

Date: (MM, DD, YYYY)

Title:

Name:

Murata Part Number

NXFT15XH103FEAB030

NXFT15XH103FEAB040

NXFT15XH103FEAB050

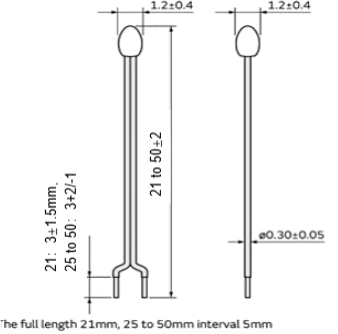
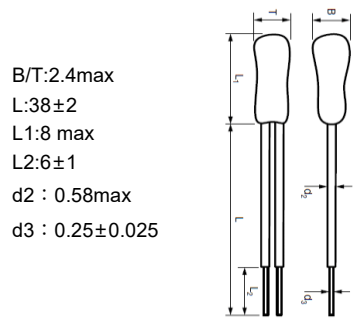
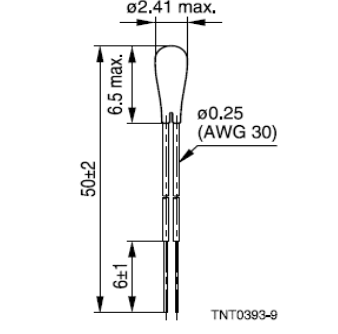
NXFT15XH103FEAB021

Lead type NTC Thermistor Comparison sheet

No.PSE-24THM-0290

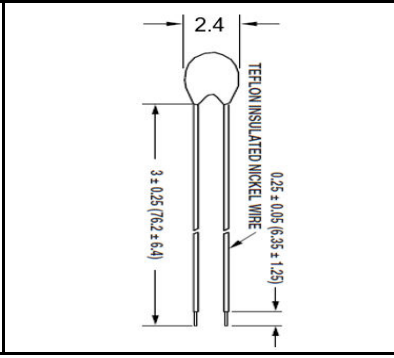
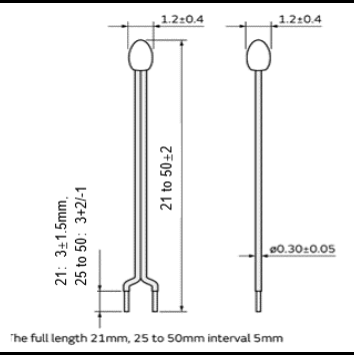
Murata P/N: □ is S or T

*** means the full length (Example : 050=50mm) 21mm,25mm, 30mm,35mm, 40mm,45mm, 50mm

	Murata	Vishay	TDK(Epcos)	Thinking
P/N	NXF□15XV302FEAB***	NTCLE300E3302SB	B57861S0302F040 (S861)	
Resistance(Ω)at 25°C	3.0kΩ±1%	3.0kΩ±2.18%	3.0kΩ±1%	
B-constantz at 25/50	3936K±1%	3930(reference)	3934(reference)	
B-constantz at 25/85	3977(reference)	3977±0.75%	3974(reference)	
B-constantz at 25/100	-	-	3988K±1%	
Operating temp.(°C)	-40~125	-40~125	-55~155	
Dimension(mm)	 <p>21: 3±1.5mm, 25 to 50: 3±2/-1</p> <p>1.2±0.4</p> <p>1.2±0.4</p> <p>21 to 50±2</p> <p>0.30±0.05</p> <p>The full length 21mm, 25 to 50mm interval 5mm</p>	 <p>B/T:2.4max L:38±2 L1:8 max L2:6±1 d2 : 0.58max d3 : 0.25±0.025</p>	 <p>2.41 max.</p> <p>6.5 max.</p> <p>50±2</p> <p>0.25 (AWG 30)</p> <p>6±1</p> <p>TNT0393-8</p>	none

	Murata	Vishay	TDK(Epcos)	Thinking
P/N	NXF□15XW222EEAB***	01T2201□*****		
Resistance(Ω)at 25°C	2.2kΩ±3%	2.2kΩ±3%		
B-constantz at 25/50	3950K±3%	-		
B-constantz at 25/85	3987(reference)	3974 (reference)		
Operating temp.(°C)	-40~125	-40~125(150)		

Dimension(mm)



none

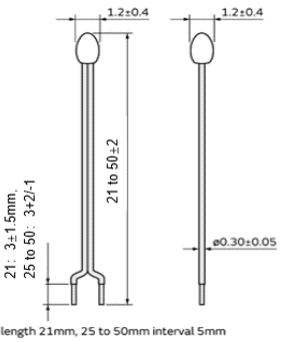
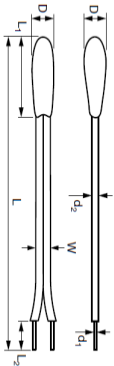
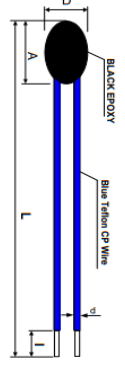
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Lead type NTC Thermistor Comparison sheet

No.PSE-24THM-0290

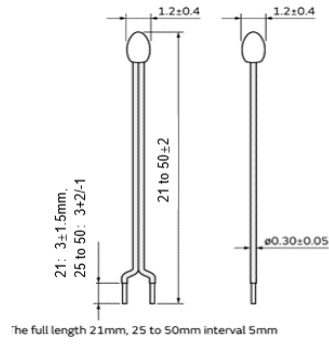
Murata P/N: □ is S or T

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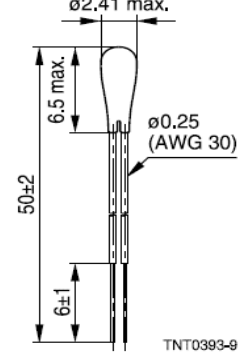
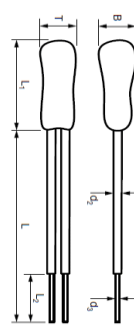
	Murata	Vishay	TDK(Epcos)	Thinking
P/N	NXF□15XH103FEAB***	NTCLE413E2103F520L		TTS1B103F3381 「TTS1(2)B103□338*」
Resistance(Ω)at 25°C	10kΩ±1%	10kΩ±1%		10KΩ±1%
B-constantz at 25/50	3380K±1%	3382(reference)		3380K±1%
B-constantz at 25/85	3434(reference)	3435±1%		3435 (reference)
B-constantz at 25/100	-	-		
Operating temp.(°C)	-40~150(125)	-40~105	none	-40°C~100°C
Dimension(mm)	 <p>21: 3±1.5mm, 25 to 50: 3±2/-1 The full length 21mm, 25 to 50mm interval 5mm</p>	 <p>D:3.0max L:52±5 L1:10 max L2:3±1 d1 : 0.3±0.03max d2 : 1.0</p>		 <p>D:1.8max A:6.0max L:70±5 l :2±0.5 d : 0.30±0.02</p>

	Murata	Vishay	TDK(Epcos)	Thinking
P/N	NXF□15XV103FEAB***	NTCLE300E3103SB	B57861S0103F040 (S861)	TTS1B103F39D1 「TTS1(2)B103□39D*」
Resistance(Ω)at 25°C	10kΩ±1%	10.0k±2.18%	10kΩ±1%	10KΩ±1%
B-constantz at 25/50	3936K±1%	3930(reference)	3934(reference)	3935K±1%
B-constantz at 25/85	3977(reference)	3977±0.75%	3974(reference)	3975 (reference)
B-constantz at 25/100	-	-	3988K±1%	
Operating temp.(°C)	-40~150(125)	-40~125	-55~155	-40°C~100°C

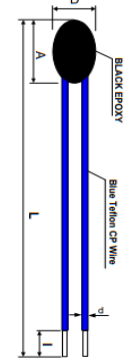
Dimension(mm)



B/T:2.4max
L:38±2
L1:8 max
L2:6±1
d2 : 0.58max
d3 : 0.25±0.025



D:1.8max
A:6.0max
L:70±5
l :2±0.5
d : 0.30±0.02

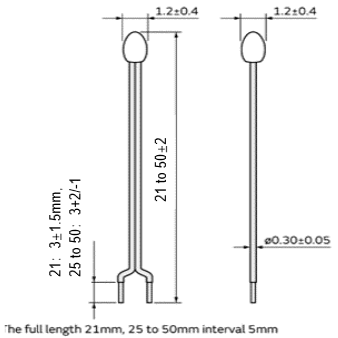
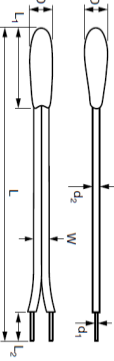


Lead type NTC Thermistor Comparison sheet

No.PSE-24THM-0290

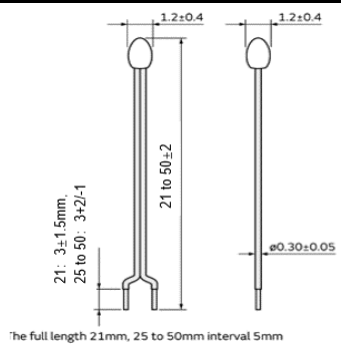
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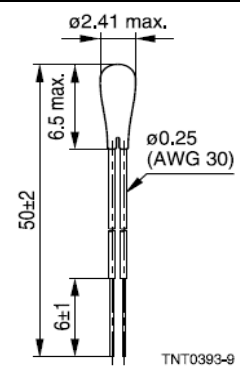
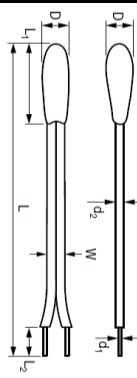
	Murata	Vishay	TDK(Epcos)	Thinking
P/N	NXF□15WB473FEAB***	NTCLE413E2473H400		
Resistance(Ω)at 25°C	47kΩ±1%	47kΩ±3%		
B-constantz at 25/50	4050K±1%	4026(reference)		
B-constantz at 25/85	4108(reference)	4090±1.5%		
Operating temp.(°C)	-40~150(125)	-40~105		
Dimension(mm)	 <p>the full length 21mm, 25 to 50mm interval 5mm</p>	 <p>D:3.0max L:40±5 L1:10 max L2:3±1 d1 : 0.3±0.03max d2 : 1.0</p>	none	none

	Murata	Vishay	TDK(Epcos)	Thinking
P/N	NXF□15WF104FEAB***	NTCLE413E2104H400	B57861S0104F040 (S861)	TTS1B104F4122 「TTS1(2)B104□412*」
Resistance(Ω)at 25°C	100kΩ±1%	100kΩ±3%	100kΩ±1%	100KΩ±1%
B-constantz at 25/50	4250K±1%	4123(reference)	4430(reference)	4120K±2%
B-constantz at 25/85	4311(reference)	4190±1.5%	4510(reference)	4360 (reference)
B-constantz at 25/100	-	-	4540K±1%	
Operating temp.(°C)	-40~150(125)	-40~105	-55~155	-40°C~100°C

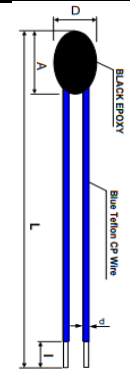
Dimension(mm)



D:3.0max
L:40±5
L1:10 max
L2:3±1
d1 : 0.3±0.03max
d2 : 1.0



D:1.8max
A:6.0max
L:70±5
l:2±0.5
d : 0.30±0.02

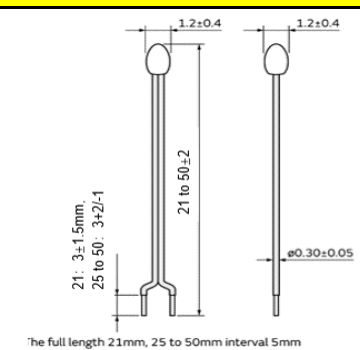
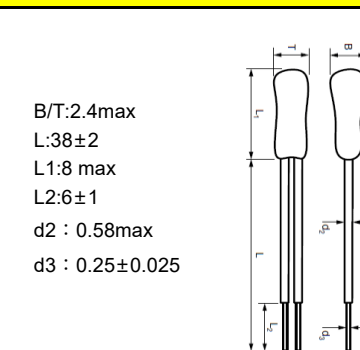
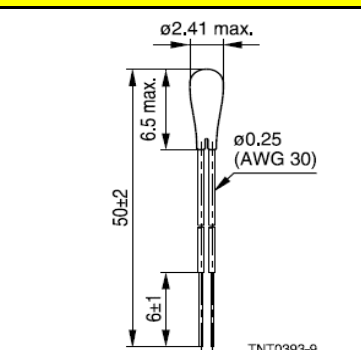
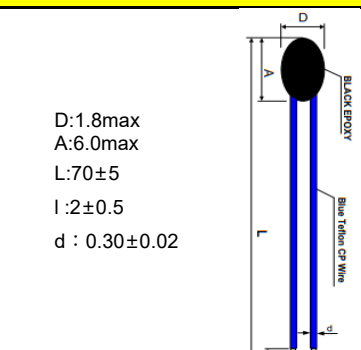


Lead type NTC Thermistor Comparison sheet

No.PSE-24THM-0290

Murata P/N: □ is S or T

*** means the full length (Example : 050=50mm) 21mm,25mm, 30mm,35mm, 40mm,45mm, 50mm

	Murata	Vishay	TDK(Epcos)	Thinking
P/N	NXF□15XV502FEAB***	NTCLE300E3502SB	B57861S0502F040 (S861)	TTS1B502F3902 「TTS1(2)B502□390*」
Resistance(Ω)at 25°C	5kΩ±1%	5.0kΩ±2.18%	5kΩ±1%	5KΩ±1%
B-constantz at 25/50	3936K±1%	3930(reference)	3934(reference)	3900K±2%
B-constantz at 25/85	3977(reference)	3977±0.75%	3974(reference)	3950 (reference)
B-constantz at 25/100	-	-	3988K ± 1	
Operating temp.(°C)	-40~150 (125)	-40~125	-55~155	-40°C~100°C
Dimension(mm)	 <p>21: 3±1.5mm, 25 to 50: 3±2/-1</p> <p>The full length 21mm, 25 to 50mm interval 5mm</p>	 <p>B/T:2.4max L:38±2 L1:8 max L2:6±1 d2 : 0.58max d3 : 0.25±0.025</p>	 <p>2.41 max. 50±2 6.5 max. 0.25 (AWG 30) 6±1 TNT0393-9</p>	 <p>D:1.8max A:6.0max L:70±5 l :2±0.5 d : 0.30±0.02</p>

製品索引 > センサ、トランスデューサ > 温度センサ > NTCサーミスタ > Vishay Beyschlag/Draloric/BC Components 01M2201SFB5

MFG_T&M-C

01M2201SFB5

DigiKey製品番号: 56-01M2201SFB5-ND
 メーカー: Vishay Beyschlag/Draloric/BC Components
 メーカー製品番号: 01M2201SFB5
 商品概要: NTC THERMISTORS
 客先参照品番:
 詳細な説明: NTCサーミスタ 2.2k ピーズ
 データシート: [データシート](#)

写真は、商品の参考イメージとなり、正確な仕様は、データシートを参照ください。

製品属性

型	商品概要	すべて選択
カテゴリ	センサ、トランスデューサ 温度センサ NTCサーミスタ	<input type="radio"/>
メーカー	Vishay Beyschlag/Draloric/BC Components	<input type="checkbox"/>
シリーズ	-	<input type="checkbox"/>
梱包形態	バルク	<input type="checkbox"/>
部品状況	アクティブ	<input type="checkbox"/>
25°Cでの抵抗 (オーム)	2.2k	<input type="checkbox"/>
抵抗許容差	-	<input type="checkbox"/>
B定数許容差	-	<input type="checkbox"/>
B0/50	-	<input type="checkbox"/>
B25/50	-	<input type="checkbox"/>

End of Life - Last Available

VISHAY
www.vishay.com

NTC Thermistors, Resistor

LINKS TO ADDITIONAL RESOURCES



QUICK REFERENCE DATA

PARAMETER	VALUE	UNIT
Resistance value at 25 °C	30 to 220K	Ω
Tolerance on R ₂₅ -value (point matched)	± 1, ± 2, ± 3, ± 5, ± 10	%
Temperature accuracy (curve tracking)	± 0.2, ± 0.5, ± 1	°C
B _{25/25} -value	3477 to 3964	K
B _{25/50} -value	3468 to 3974	K
Maximum dissipation	50 to 100	mW
Dissipation factor δ (for information only)	2 to 3.5	mW/K
Thermal time constant τ (for information only)	6 to 14	s
Response time t ₉₀ (for information only)	1.3	s
Operating temperature range at zero power (short term)	-40 to +125 (150)	°C
Weight	~ 0.075 to 0.15	g

T, M, C PRODUCT DATA AND R₂₅ RESISTANCE

CURVE	B _{25/25} (K)	B _{25/50} (K)	TCR ₂₅ (%/K)
2	3477	3486	-3.84
9	3679	3694	-4.03
8	3925	3943	-4.30
1	3964	3974	-4.39

Maximum dissipation at 25 °C in mW
 Dissipation factor in mW/K ⁽¹⁾
 Response time in s ⁽¹⁾
 Thermal time constant in s ⁽¹⁾

Note
⁽¹⁾ For information only, dissipation factor, response time, and thermal time constant.

STANDARD RESISTANCE VALUES at 25 °C in Ω

33	52	270	680
39	100	330	820
47	120	390	1K
50	150	470	1.2K
56	180	560	1.5K

T, M, C
Vishay Dale

Radial Leaded and Coated

FEATURES

- Small size - conformally coated
- Wide resistance range
- Available in 4 different R-T curves
- Available in point matched tolerances down to 1% and curve tracking precision down to $\pm 0.2^\circ\text{C}$
- Material categorization: for definitions of compliance please see www.vishay.com/doc799812



RoHS
compliant

APPLICATIONS

Temperature measurement, sensing and control in industrial, consumer and telecom applications. For on-board sensing or for accurate remote sensing in metal probes or housings.

DESCRIPTION

Models T, M, and C are conformally coated, leaded thermistors. The coating is baked-on phenolic for durability and long-term stability. Models M and C have tinned solid copper leads. Model T has solid nickel wires with Teflon® insulation.

DESIGN-IN SUPPORT

For complete Curve Computation, visit:
www.vishay.com/thermistors/rtc-rt-calculator/

CE RANGE AVAILABILITY

T (KΩ)	M (KΩ)	C (KΩ)	$R_{25} \pm \text{TOL}$ AVAILABILITY
0.03 to 3.3			1, 2, 3, 5, 10
10 to 56			1, 2, 3, 5, 10
20 to 220			1, 2, 3, 5, 10
0.2 to 18			1, 2, 3, 5, 10
50	75	100	
2.0	2.5	3.0	
1.3	1.2	1.4	
14	10	6	

thermal time constant are wire type and product size dependent

τ	2.2K	5.6K	18K	50K	150K
2.7K	6.8K	22K	56K	220K	
3.3K	6.2K	27K	68K		
3.9K	10K	33K	82K		
4.7K	12K	39K	100K		

Murata Part Number
NXFS15WB473FEAB021
NXFS15WB473FEAB025
NXFS15WB473FEAB030
NXFS15WB473FEAB035
NXFS15WB473FEAB040
NXFS15WB473FEAB050
NXFS15WF104FEAB021
NXFS15WF104FEAB025
NXFS15WF104FEAB030
NXFS15WF104FEAB035
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