



The DNA of tech.™

Product Change Notification



Product Group: NLR/Mon Dec 4, 2023/PCN-NLR-014-2023-REV-0

Change to 100% Pb-free TFPT

For further information, please contact your regional Vishay office.

CONTACT INFORMATION

Americas

Vishay Americas
One Greenwich Place
-
Shelton, CT United States 06484
Phone: 1-402-563-6866
Fax: 1-402-5863-6296
-

Europe

Vishay Electronic GmbH
Dr.-Felix-Zandman-Platz 1
-
Selb Germany 95100
Phone: 49-9287-71-0
Fax: 49-9287-70435
-

Asia

Vishay Intertechnology Asia Pte Ltd
25 Tampines Street 92
Keppel Building #02-00
Singapore Singapore 528877
Phone: 65-788-6688
Fax: 65-788-0988
-

Description of Change: Vishay has the intention to eliminate the use of lead (Pb) containing materials in the manufacturing process used for current TFPT series (RoHS using exemption 7(c)-I from EU Directive). The new materials used are 100% Pb-free. To illustrate the better environmental compatibility, the color of the topcoat changes to black, and the marking with the coded nominal value on the component is omitted.

Reason for Change: RoHS compliancy (without exemptions)

Expected Influence on Quality/Reliability/Performance: None

Part Numbers/Series/Families Affected: Please see materials list on the succeeding page.

Vishay Brand(S): Vishay

Time Schedule:

Start Shipment Date: Sat Jun 1, 2024

Sample Availability: Samples are available upon request

Product Identification: By date code, lot number and black color of topcoat

Qualification Data: Available upon request

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Tue Feb 20, 2024 or as specified by contract.

Issued By: Tilly Laurent, tilly.laurent@vishay.com



Product Change Notification



Product Group: NLR/Mon Dec 4, 2023/PCN-NLR-014-2023-REV-0

The DNA of tech.™

?TFPT0402L0050NL05	TFPT0603L1000DM	TFPT0603L1000DV	TFPT0603L1000FF	TFPT0603L1000FM
TFPT0603L1000FV	TFPT0603L1000JF	TFPT0603L1000JM	TFPT0603L1000JV	TFPT0603L1001DM
TFPT0603L1001DV	TFPT0603L1001FF	TFPT0603L1001FM	TFPT0603L1001FV	TFPT0603L1001JF
TFPT0603L1001JM	TFPT0603L1001JV	TFPT0603L1001KF	TFPT0603L1002FM	TFPT0603L1002JF
TFPT0603L1002JV	TFPT0603L1200FV	TFPT0603L1200JF	TFPT0603L1200JV	TFPT0603L1201FF
TFPT0603L1500FF	TFPT0603L1500FM	TFPT0603L1500FV	TFPT0603L1500JF	TFPT0603L1500JM
TFPT0603L1500JV	TFPT0603L1501FF	TFPT0603L1501FV	TFPT0603L1501JM	TFPT0603L1800DM
TFPT0603L1800FM	TFPT0603L1800FV	TFPT0603L1800JF	TFPT0603L1800JV	TFPT0603L2200FM
TFPT0603L2200FV	TFPT0603L2200JF	TFPT0603L2200JM	TFPT0603L2200JV	TFPT0603L2508NM04
TFPT0603L2700FF	TFPT0603L2700FM	TFPT0603L2700FV	TFPT0603L2700JF	TFPT0603L2700JM
TFPT0603L2700JV	TFPT0603L2900JF	TFPT0603L3300DM	TFPT0603L3300FF	TFPT0603L3300FM
TFPT0603L3300FV	TFPT0603L3300JF	TFPT0603L3300JM	TFPT0603L3300JV	TFPT0603L3300KF
TFPT0603L3900FM	TFPT0603L3900FV	TFPT0603L3900JF	TFPT0603L3900JM	TFPT0603L3900JV
TFPT0603L3900KV	TFPT0603L4700DM	TFPT0603L4700DV	TFPT0603L4700FM	TFPT0603L4700FV
TFPT0603L4700JF	TFPT0603L4700JM	TFPT0603L4700JV	TFPT0603L4700KV	TFPT0603L4701FF
TFPT0603L5600FF	TFPT0603L5600FM	TFPT0603L5600FV	TFPT0603L5600JF	TFPT0603L5600JV
TFPT0603L5600KV	TFPT0603L6200FM	TFPT0603L6800FM	TFPT0603L6800FV	TFPT0603L6800JM
TFPT0603L6800JV	TFPT0603L6800KV	TFPT0603L7500FM	TFPT0603L8200FM	TFPT0603L8200FV
TFPT0603L8200JV	TFPT0603L8200KV	TFPT0603L9993DM	TFPT0805L1000DV	TFPT0805L1000FF
TFPT0805L1000FM	TFPT0805L1000FV	TFPT0805L1000JM	TFPT0805L1000JV	TFPT0805L1000KM
TFPT0805L1000KV	TFPT0805L1001DV	TFPT0805L1001FF	TFPT0805L1001FM	TFPT0805L1001FV
TFPT0805L1001JF	TFPT0805L1001JM	TFPT0805L1001JV	TFPT0805L1001KF	TFPT0805L1002FF
TFPT0805L1002JF	TFPT0805L1200FV	TFPT0805L1200JV	TFPT0805L1201DV	TFPT0805L1201FF
TFPT0805L1201FM	TFPT0805L1201FV	TFPT0805L1201JF	TFPT0805L1201JV	TFPT0805L1401FV01
TFPT0805L1500FM	TFPT0805L1500FV	TFPT0805L1500JV	TFPT0805L1501DV	TFPT0805L1501FF
TFPT0805L1501FM	TFPT0805L1501FV	TFPT0805L1501FV01	TFPT0805L1501JF	TFPT0805L1501JM
TFPT0805L1501JV	TFPT0805L1800FV	TFPT0805L1800JF	TFPT0805L1800JM	TFPT0805L1800JV
TFPT0805L1801FF	TFPT0805L1801FM	TFPT0805L1801FV	TFPT0805L1801JM	TFPT0805L1801JV
TFPT0805L2000FM	TFPT0805L2001JF	TFPT0805L2200FF	TFPT0805L2200FM	TFPT0805L2200FV
TFPT0805L2200JF	TFPT0805L2200JM	TFPT0805L2200JV	TFPT0805L2201FF	TFPT0805L2201FM
TFPT0805L2201FV	TFPT0805L2201JF	TFPT0805L2201JM	TFPT0805L2201JV	TFPT0805L2509JM
TFPT0805L2509JV	TFPT0805L2700DV	TFPT0805L2700FM	TFPT0805L2700FV	TFPT0805L2700JF
TFPT0805L2700JM	TFPT0805L2700JV	TFPT0805L2701FM	TFPT0805L2701FV	TFPT0805L2701JV
TFPT0805L3300FF	TFPT0805L3300FM	TFPT0805L3300FV	TFPT0805L3300JF	TFPT0805L3300JM
TFPT0805L3300JV	TFPT0805L3300KF	TFPT0805L3300KM	TFPT0805L3300KV	TFPT0805L3301FF
TFPT0805L3301FM	TFPT0805L3301FV	TFPT0805L3301JF	TFPT0805L3301JM	TFPT0805L3301JV
TFPT0805L3900FM	TFPT0805L3900FV	TFPT0805L3900JF	TFPT0805L3900JM	TFPT0805L3900JV
TFPT0805L3901FF	TFPT0805L3901FM	TFPT0805L3901FV	TFPT0805L3901JF	TFPT0805L3901JM
TFPT0805L3901JV	TFPT0805L3901KM	TFPT0805L4700FM	TFPT0805L4700FV	TFPT0805L4700JM
TFPT0805L4700JV	TFPT0805L4700KF	TFPT0805L4701CM	TFPT0805L4701FF	TFPT0805L4701FM
TFPT0805L4701FV	TFPT0805L4701JF	TFPT0805L4701JM	TFPT0805L4701JV	TFPT0805L5001DF03
TFPT0805L5001FM	TFPT0805L5001FM02	TFPT0805L5001FV	TFPT0805L5001JF	TFPT0805L5001JM
TFPT0805L5001JV	TFPT0805L5001KF	TFPT0805L5600FM	TFPT0805L5600FV	TFPT0805L5600JM
TFPT0805L5600JV	TFPT0805L6800FM	TFPT0805L6800FV	TFPT0805L6800JM	TFPT0805L6800JV
TFPT0805L6801FM	TFPT0805L6801JF	TFPT0805L8200FF	TFPT0805L8200FM	TFPT0805L8200FV
TFPT0805L8200JM	TFPT0805L8200JV	TFPT1206L1000DV	TFPT1206L1000FF	TFPT1206L1000FM
TFPT1206L1000FV	TFPT1206L1000JM	TFPT1206L1000JV	TFPT1206L1001DV	TFPT1206L1001FM
TFPT1206L1001FV	TFPT1206L1001JM	TFPT1206L1001KM	TFPT1206L1002CF	TFPT1206L1002CM
TFPT1206L1002CV	TFPT1206L1002DM	TFPT1206L1002DV	TFPT1206L1002FF	TFPT1206L1002FM
TFPT1206L1002FV	TFPT1206L1002JF	TFPT1206L1002JM	TFPT1206L1002JV	TFPT1206L1002KF
TFPT1206L1200FV	TFPT1206L1200JV	TFPT1206L1201DV	TFPT1206L1201FV	TFPT1206L1500FF
TFPT1206L1500FM	TFPT1206L1500FV	TFPT1206L1500JV	TFPT1206L1501FM	TFPT1206L1501FV
TFPT1206L1501JM	TFPT1206L1800FV	TFPT1206L1800JV	TFPT1206L1801DV	TFPT1206L1801KM
TFPT1206L1980FM	TFPT1206L2000FV	TFPT1206L2200FF	TFPT1206L2200FM	TFPT1206L2200FV
TFPT1206L2200JV	TFPT1206L2201DV	TFPT1206L2201FM	TFPT1206L2201FV	TFPT1206L2201JM
TFPT1206L2201JV	TFPT1206L2201KF	TFPT1206L2500FV	TFPT1206L2700FM	TFPT1206L2700FV



Product Change Notification



Product Group: NLR/Mon Dec 4, 2023/PCN-NLR-014-2023-REV-0

The DNA of tech.™

TFPT1206L2700JV	TFPT1206L2701DV	TFPT1206L2701FM	TFPT1206L2701FV	TFPT1206L2701KF
TFPT1206L3300FF	TFPT1206L3300FM	TFPT1206L3300FV	TFPT1206L3300JF	TFPT1206L3300JV
TFPT1206L3301FM	TFPT1206L3301FV	TFPT1206L3800JV	TFPT1206L3900FV	TFPT1206L3900JF
TFPT1206L3900JM	TFPT1206L3900JV	TFPT1206L3901JM	TFPT1206L3901JV	TFPT1206L4700FF
TFPT1206L4700FM	TFPT1206L4700FV	TFPT1206L4700JF	TFPT1206L4700JV	TFPT1206L4701FF
TFPT1206L4701FM	TFPT1206L4701FV	TFPT1206L4701KM	TFPT1206L5000FF	TFPT1206L5000FM
TFPT1206L5001FM	TFPT1206L5600FM	TFPT1206L5600JF	TFPT1206L5600JV	TFPT1206L5601FF
TFPT1206L5601FM	TFPT1206L5601FS	TFPT1206L5601FV	TFPT1206L5601JF	TFPT1206L5601JM
TFPT1206L5601JV	TFPT1206L5601KM	TFPT1206L6201JM	TFPT1206L6201JM01	TFPT1206L6201JV
TFPT1206L6201JV01	TFPT1206L6201JY01	TFPT1206L6201JZ01	TFPT1206L6800FM	TFPT1206L6800FV
TFPT1206L6800JF	TFPT1206L6800JV	TFPT1206L6801FM	TFPT1206L6801FV	TFPT1206L6801JF
TFPT1206L6801JM	TFPT1206L6801JV	TFPT1206L8200FV	TFPT1206L8200JM	TFPT1206L8200JV
TFPT1206L8201FV	TFPT1206L8201JF	TFPT1206L8201KM		



Product Change Notification



Product Group: Vishay Passives / CC and NLR / Dec 1st, 2023 / PCN-NLR-014-2023 Rev 0

Change to 100% Pb-free TFPT

DESCRIPTION OF CHANGE: Vishay has the intention to eliminate the use of lead (Pb) containing materials in the manufacturing process used for current TFPT series (RoHS using exemption 7(c)-I from EU Directive). The new materials used are 100% Pb-free. To illustrate the better environmental compatibility, the color of the topcoat changes to black, and the marking with the coded nominal value on the component is omitted.

CLASSIFICATION OF CHANGE: Major

REASON FOR CHANGE: RoHS compliancy (without exemptions)

EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE: None

PRODUCT CATEGORY: Resistors, Non-Linear, NTC

PART NUMBERS/SERIES/FAMILIES AFFECTED:
TFPT Series (see affected part number list)

VISHAY BRAND(s): Vishay

TIME SCHEDULE:

Start Shipment Date: Possible from June 1st, 2024

Last Time Buy Date: Not applicable

Last Time Shipment Date: Not applicable

SAMPLE AVAILABILITY: Available upon request (contact planning)

PRODUCT IDENTIFICATION: By date code, lot number and by the black color of the topcoat

QUALIFICATION DATA: Available upon request

This PCN is considered approved, without further notification, unless we receive specific customer concerns before February 20th, 2024 or as specified by contract.

ISSUED BY: Tilly Laurent, Tilly.Laurent@vishay.com

For further information, please contact your regional Vishay office.

CONTACT INFORMATION:

The Americas

Vishay Americas
One Greenwich Place
Shelton, CT
06484
United States
Phone: 1-402-563-6866
Fax: 1-402-5863-6296

Europe

Vishay Electronic GmbH
Dr.-Felix-Zandman-Platz 1
Selb
D-95100
Germany
Phone: 49-9287-71-0
Fax: 49-9287-70435

Asia

Vishay Intertechnology Asia Pte Ltd
25 Tampines Street 92
Keppel Building #02-00
528877
Singapore
Phone: 65-788-6688
Fax: 65-788-0988

Vishay Intertechnology, Inc.

Corporate Headquarters 63 Lincoln Highway, Malvern, PA 19355-2143 U.S.A. Phone (610) 644-1300 Fax (610) 296-0657 www.vishay.com

ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT

MKT010-06

PCN-NLR-014-2023 : Affected part number list

01/12/2023



Material	Material	Material	Material	Material
TFPT0402L0050N05	TFPT0805L1000DV	TFPT0805L3900FM	TFPT1206L1000DV	TFPT1206L5601FF
TFPT0603L1000DM	TFPT0805L1000FF	TFPT0805L3900FV	TFPT1206L1000FF	TFPT1206L5601FM
TFPT0603L1000DV	TFPT0805L1000FM	TFPT0805L3900JF	TFPT1206L1000FM	TFPT1206L5601FV
TFPT0603L1000FF	TFPT0805L1000FV	TFPT0805L3900JM	TFPT1206L1000FV	TFPT1206L5601JF
TFPT0603L1000FM	TFPT0805L1000JM	TFPT0805L3900JV	TFPT1206L1000JM	TFPT1206L5601JM
TFPT0603L1000FV	TFPT0805L1000JV	TFPT0805L3901FF	TFPT1206L1000JV	TFPT1206L5601JV
TFPT0603L1000JF	TFPT0805L1000KM	TFPT0805L3901FM	TFPT1206L1001DV	TFPT1206L5601KM
TFPT0603L1000JM	TFPT0805L1000KV	TFPT0805L3901FV	TFPT1206L1001FM	TFPT1206L6201JM
TFPT0603L1000JV	TFPT0805L1001DV	TFPT0805L3901JF	TFPT1206L1001FV	TFPT1206L6201JM01
TFPT0603L1001DM	TFPT0805L1001FF	TFPT0805L3901JM	TFPT1206L1001JM	TFPT1206L6201JV
TFPT0603L1001DV	TFPT0805L1001FM	TFPT0805L3901JV	TFPT1206L1001KM	TFPT1206L6201JV01
TFPT0603L1001FF	TFPT0805L1001FV	TFPT0805L3901KM	TFPT1206L1002CF	TFPT1206L6800FM
TFPT0603L1001FM	TFPT0805L1001JF	TFPT0805L4700FM	TFPT1206L1002CM	TFPT1206L6800FV
TFPT0603L1001FV	TFPT0805L1001JM	TFPT0805L4700FV	TFPT1206L1002CV	TFPT1206L6800JF
TFPT0603L1001JF	TFPT0805L1001JV	TFPT0805L4700JM	TFPT1206L1002DM	TFPT1206L6800JV
TFPT0603L1001JM	TFPT0805L1001KF	TFPT0805L4700JV	TFPT1206L1002DV	TFPT1206L6801FM
TFPT0603L1001JV	TFPT0805L1002FF	TFPT0805L4700KF	TFPT1206L1002FF	TFPT1206L6801FV
TFPT0603L1001KF	TFPT0805L1002FV	TFPT0805L4701CM	TFPT1206L1002FM	TFPT1206L6801JF
TFPT0603L1002FM	TFPT0805L1200FV	TFPT0805L4701FF	TFPT1206L1002FV	TFPT1206L6801JM
TFPT0603L1002FV	TFPT0805L1200JV	TFPT0805L4701FM	TFPT1206L1002JF	TFPT1206L6801JV
TFPT0603L1002JV	TFPT0805L1201DV	TFPT0805L4701FV	TFPT1206L1002JM	TFPT1206L8200FV
TFPT0603L1200FV	TFPT0805L1201FF	TFPT0805L4701JF	TFPT1206L1002JV	TFPT1206L8200JM
TFPT0603L1200JF	TFPT0805L1201FM	TFPT0805L4701JM	TFPT1206L1002KF	TFPT1206L8200JV
TFPT0603L1200JV	TFPT0805L1201FV	TFPT0805L4701JV	TFPT1206L1200FV	TFPT1206L8201FV
TFPT0603L1201FF	TFPT0805L1201JF	TFPT0805L5001DF03	TFPT1206L1200JV	TFPT1206L8201JF
TFPT0603L1500FF	TFPT0805L1201JV	TFPT0805L5001FM	TFPT1206L1201DV	TFPT1206L8201KM
TFPT0603L1500FM	TFPT0805L1401FV01	TFPT0805L5001FM02	TFPT1206L1201FV	
TFPT0603L1500FV	TFPT0805L1500FM	TFPT0805L5001FV	TFPT1206L1500FF	
TFPT0603L1500JF	TFPT0805L1500FV	TFPT0805L5001JF	TFPT1206L1500FM	
TFPT0603L1500JM	TFPT0805L1500JV	TFPT0805L5001JM	TFPT1206L1500FV	
TFPT0603L1500JV	TFPT0805L1501DV	TFPT0805L5001JV	TFPT1206L1500JV	
TFPT0603L1501FF	TFPT0805L1501FV	TFPT0805L5001KF	TFPT1206L1501FM	
TFPT0603L1501FV	TFPT0805L1501FM	TFPT0805L5600FM	TFPT1206L1501FV	
TFPT0603L1501JM	TFPT0805L1501FV	TFPT0805L5600FV	TFPT1206L1501JM	
TFPT0603L1800DM	TFPT0805L1501FV01	TFPT0805L5600JM	TFPT1206L1800FV	
TFPT0603L1800FM	TFPT0805L1501JF	TFPT0805L5600JV	TFPT1206L1800JV	
TFPT0603L1800FV	TFPT0805L1501JM	TFPT0805L6800FM	TFPT1206L1801DV	
TFPT0603L1800JF	TFPT0805L1501JV	TFPT0805L6800FV	TFPT1206L1801KM	
TFPT0603L1800JV	TFPT0805L1800FV	TFPT0805L6800JM	TFPT1206L1980FM	
TFPT0603L2200FM	TFPT0805L1800JF	TFPT0805L6800JV	TFPT1206L2000FV	
TFPT0603L2200FV	TFPT0805L1800JM	TFPT0805L6801FM	TFPT1206L2200FF	
TFPT0603L2200JF	TFPT0805L1800JV	TFPT0805L6801JF	TFPT1206L2200FM	
TFPT0603L2200JM	TFPT0805L1801FF	TFPT0805L8200FF	TFPT1206L2200FV	
TFPT0603L2200JV	TFPT0805L1801FM	TFPT0805L8200FM	TFPT1206L2200JV	
TFPT0603L2508NM04	TFPT0805L1801FV	TFPT0805L8200FV	TFPT1206L2201DV	
TFPT0603L2700FF	TFPT0805L1801JM	TFPT0805L8200JM	TFPT1206L2201FM	
TFPT0603L2700FM	TFPT0805L1801JV	TFPT0805L8200JV	TFPT1206L2201FV	
TFPT0603L2700FV	TFPT0805L2000FM		TFPT1206L2201JM	
TFPT0603L2700JF	TFPT0805L2001JF		TFPT1206L2201JV	
TFPT0603L2700JM	TFPT0805L2200FF		TFPT1206L2201KF	
TFPT0603L2700JV	TFPT0805L2200FM		TFPT1206L2500FV	
TFPT0603L2900JF	TFPT0805L2200FV		TFPT1206L2700FM	
TFPT0603L3300DM	TFPT0805L2200JF		TFPT1206L2700FV	
TFPT0603L3300FF	TFPT0805L2200JM		TFPT1206L2700JV	
TFPT0603L3300FM	TFPT0805L2200JV		TFPT1206L2701DV	
TFPT0603L3300FV	TFPT0805L2201FF		TFPT1206L2701FM	
TFPT0603L3300JF	TFPT0805L2201FM		TFPT1206L2701FV	
TFPT0603L3300JM	TFPT0805L2201FV		TFPT1206L2701KF	
TFPT0603L3300JV	TFPT0805L2201JF		TFPT1206L3300FF	
TFPT0603L3300KF	TFPT0805L2201JM		TFPT1206L3300FM	
TFPT0603L3900FM	TFPT0805L2201JV		TFPT1206L3300FV	
TFPT0603L3900FV	TFPT0805L2201JM		TFPT1206L3300JF	
TFPT0603L3900JF	TFPT0805L2509JV		TFPT1206L3300JV	
TFPT0603L3900JM	TFPT0805L2700DV		TFPT1206L3301FM	
TFPT0603L3900JV	TFPT0805L2700FM		TFPT1206L3301FV	
TFPT0603L3900KV	TFPT0805L2700FV		TFPT1206L3800JV	
TFPT0603L4700DM	TFPT0805L2700JF		TFPT1206L3900FV	
TFPT0603L4700DV	TFPT0805L2700JM		TFPT1206L3900JF	
TFPT0603L4700FM	TFPT0805L2700JV		TFPT1206L3900JM	
TFPT0603L4700FV	TFPT0805L2701FM		TFPT1206L3900JV	
TFPT0603L4700JF	TFPT0805L2701FV		TFPT1206L3901JM	
TFPT0603L4700JM	TFPT0805L2701JV		TFPT1206L3901JV	
TFPT0603L4700JV	TFPT0805L3300FF		TFPT1206L4700FF	
TFPT0603L4700KV	TFPT0805L3300FM		TFPT1206L4700FM	
TFPT0603L4701FF	TFPT0805L3300FV		TFPT1206L4700FV	
TFPT0603L5600FF	TFPT0805L3300JF		TFPT1206L4700JF	
TFPT0603L5600FM	TFPT0805L3300JM		TFPT1206L4700JV	
TFPT0603L5600FV	TFPT0805L3300JV		TFPT1206L4701FF	
TFPT0603L5600JF	TFPT0805L3300KF		TFPT1206L4701FM	
TFPT0603L5600JV	TFPT0805L3300KM		TFPT1206L4701FV	
TFPT0603L5600KV	TFPT0805L3300KV		TFPT1206L4701KM	
TFPT0603L6200FM	TFPT0805L3301FF		TFPT1206L5000FF	
TFPT0603L6800FM	TFPT0805L3301FM		TFPT1206L5000FM	
TFPT0603L6800FV	TFPT0805L3301FV		TFPT1206L5001FM	
TFPT0603L6800JM	TFPT0805L3301JF		TFPT1206L5600FM	
TFPT0603L6800JV	TFPT0805L3301JM		TFPT1206L5600JF	
TFPT0603L6800KV	TFPT0805L3301JV		TFPT1206L5600JV	
TFPT0603L7500FM				
TFPT0603L8200FM				
TFPT0603L8200FV				
TFPT0603L8200JV				
TFPT0603L8200KV				