

TSM4 General product evolution

For further information, please contact your regional Vishay office.

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Description of Change: Product, Packaging and manufacturing site change

Reason for Change: Product range Rationalization to avoid obsolescence

Expected Influence on Quality/Reliability/Performance: No influence on Quality / Reliability / Performance

Part Numbers/Series/Families Affected: TSM4*

Vishay Brand(S): Vishay Sfernice

Time Schedule:

Start Shipment Date: Mon Jan 1, 2024

Sample Availability: W47

Product Identification: position of the trimmer marking

Qualification Data: Available on request

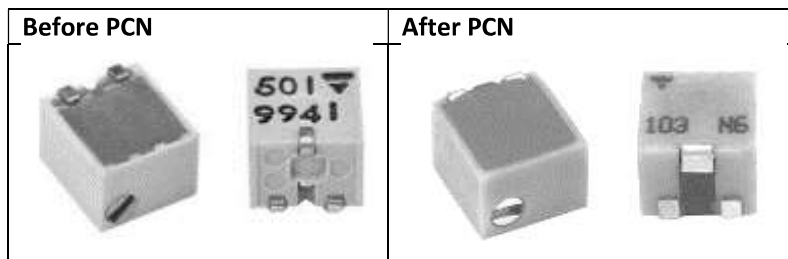
This PCN is considered approved, without further notification, unless we receive specific customer concerns before Tue Oct 31, 2023 or as specified by contract.

Issued By: Pierre Lesur, pierre.lesur@vishay.com

PRODUCT CHANGE

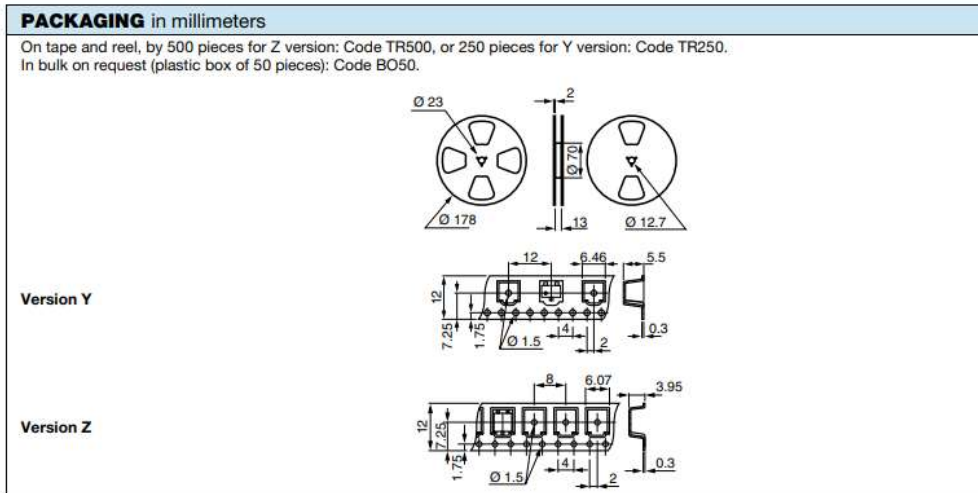
Characteristics	Before PCN	After PCN
Low contact resistance variation	2% or 3ohms max	1% or 3ohms max
Power rating	0.25W at 70°C	0.25W at 85°C
Limiting element voltage	200V	300v
Mechanical travel	13 turns +/-2	12 turns +/-2
Operating torque (max Ncm)	1	1.8
Unit weight (approximately)	0.15	0.28
Temperature Range	-55°C to +125°C	-65°C to 150°C
Electrical endurance	1000h at rated power- ambient temp. 70°C	1000h at rated power- ambient temp. 85°C
Humidity Moisture Resistance	Temperature 40°C -RH 93% 56 days	MIL STD 202 Method 106 10 cycles of 24hours constituted with damp heat – cold - vibrations
Thermal shocks	-55°C to +125°C, 5 cycles	-65°C to 150°C, 5 cycles
Mechanical endurance	100 cycles	200 cycles
Shocks	50g, 11 ms, 3 successives shocks in 3 directions	MIL STD 202 Method 213/1 100 g, 6 ms, 3 successives shocks in 3 directions
Vibration	10Hz to 55Hz, 0.75 mm or 10g, 6 hours	MIL STD 202 Method 204/D 20g, 12 hours

VISUAL CHANGE :

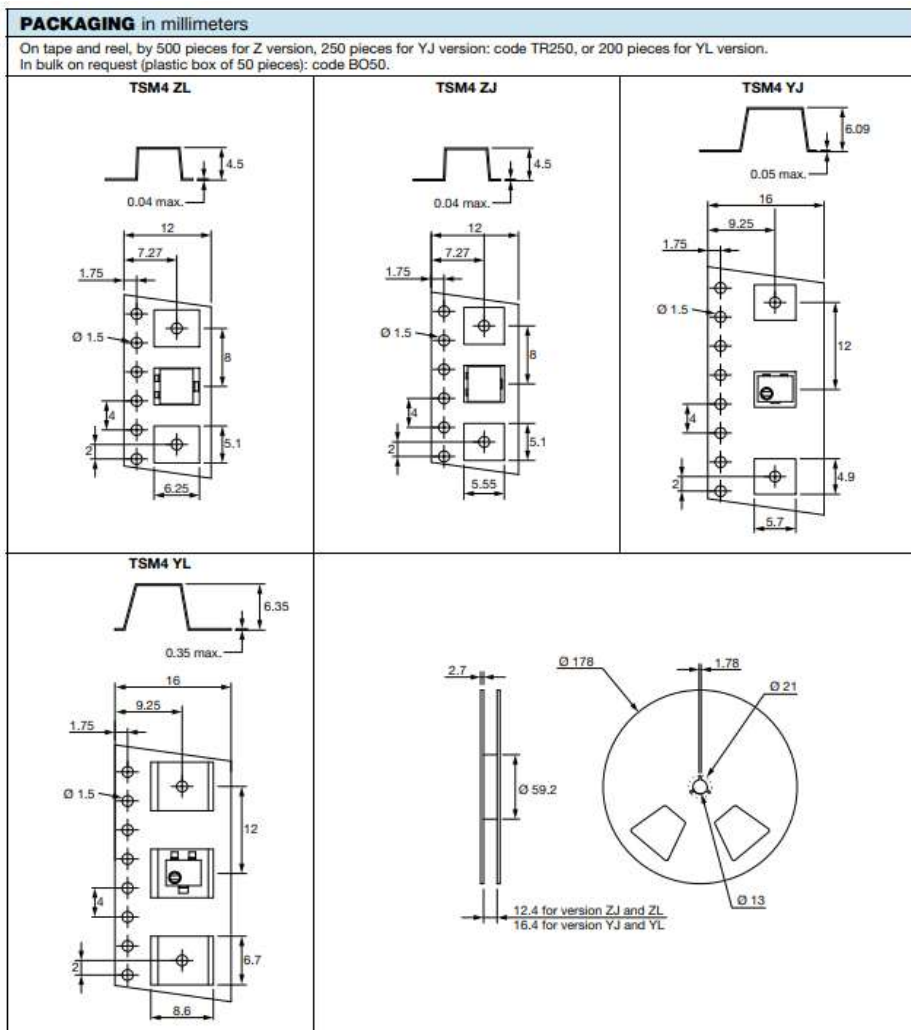


PACKAGING CHANGE

Before PCN

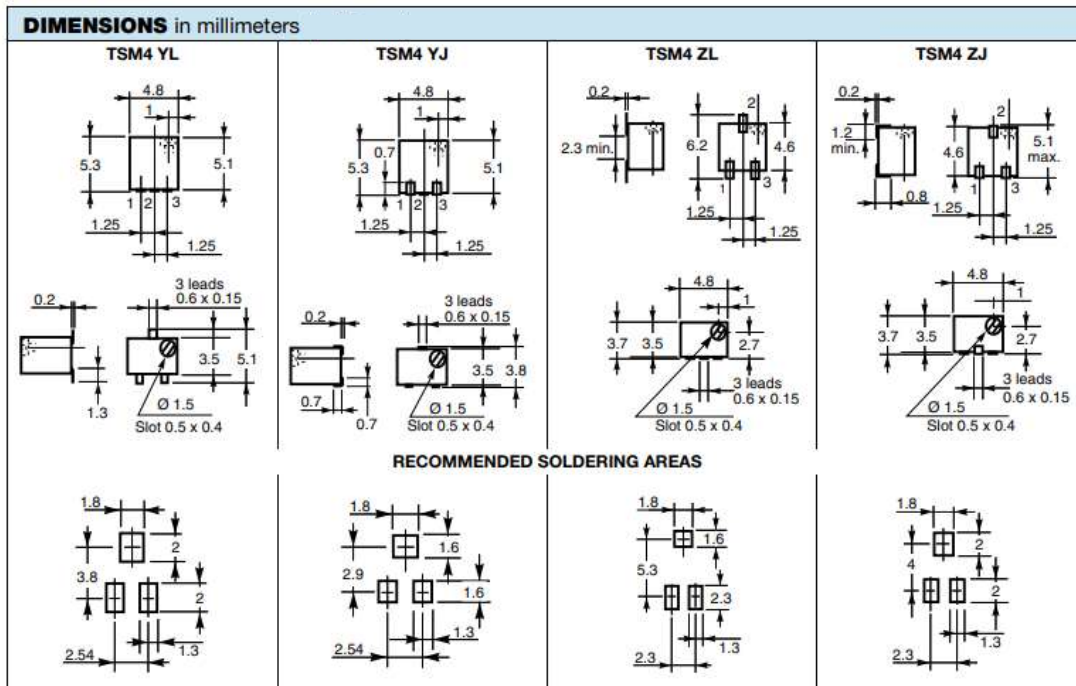


After PCN

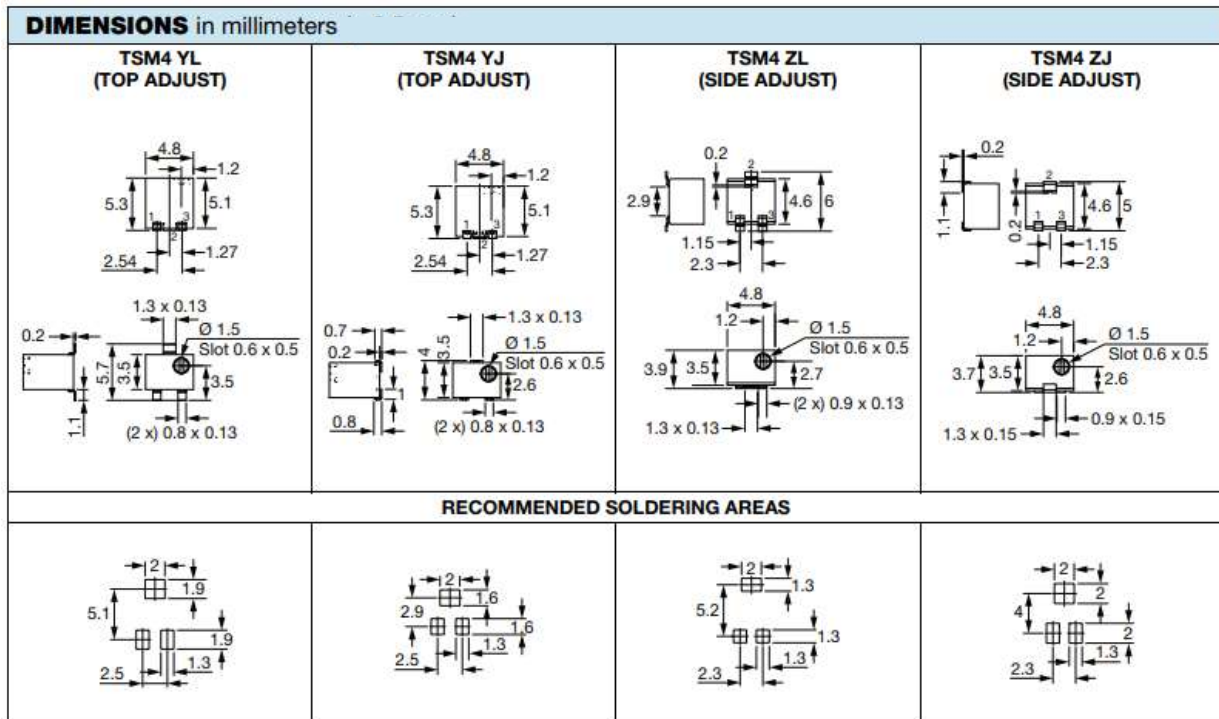


UPDATED PRODUCT DRAWING

Before PCN



After PCN



Vishay Material Code

TSM4YJ101KR05
TSM4YJ102KR05
TSM4YJ103KR05
TSM4YJ104KR05
TSM4YJ105KR05
TSM4YJ201KR05
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