



Product Change Notification



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P and PHT series

DESCRIPTION OF CHANGE: Revision of the P and PHT series resistance range and tolerances. Basically, the low values of resistance range (≤ 100 ohms in 0.01% and 0.02%) and high end of resistance values are concerned by this PCN.

CLASSIFICATION OF CHANGE: Form, Fit, Fonction

REASON FOR CHANGE: some resistance ranges are insufficiently sold, so removed.

EXPECTED INFLUENCE ON QUALITY / RELIABILITY / PERFORMANCE: None

PRODUCT CATEGORY: Resistors

PART NUMBERS/SERIES/FAMILIES AFFECTED: P series

VISHAY BRAND(s): VISHAY SFERNICE

TIME SCHEDULE

Samples Availability	Start Shipment Date	Last Buy Order
N/A	N/A	June 5 th , 2018

PRODUCT IDENTIFICATION: N/A

QUALIFICATION DATA: N/A

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Hereunder are the ohmic ranges of the **P series**, BEFORE and AFTER modification

BEFORE

BEST TOLERANCE AND TCR VS. OHMIC VALUE			
STYLE	RANGE (Ω)	TOLERANCE (± %)	TCR CODE
0302	10 to < 100	0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	100 to 35K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	> 35K to 50K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	Z; Y; E; H; K
	> 50K to 75K	0.05; 0.1; 0.25; 0.5; 1; 2; 5	E; H; K
	> 75K to 750K	0.1; 0.25; 0.5; 1; 2; 5 ⁽¹⁾	H; K
0402	10 to < 100	0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	100 to 67K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	> 67K to 100K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	Z; Y; E; H; K
	> 100K to 150K	0.05; 0.1; 0.25; 0.5; 1; 2; 5	E; H; K
	> 150K to 1M5	0.1; 0.25; 0.5; 1; 2; 5 ⁽¹⁾	H; K
0505	10 to < 100	0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	100 to 187K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	> 187K to 260K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	Z; Y; E; H; K
	> 260K to 400K	0.05; 0.1; 0.25; 0.5; 1; 2; 5	E; H; K
	> 400K to 4M	0.1; 0.25; 0.5; 1; 2; 5 ⁽¹⁾	H; K
0603	10 to < 100	0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	100 to 160K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	> 160K to 332K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	Z; Y; E; H; K
	> 332K to 500K	0.05; 0.1; 0.25; 0.5; 1; 2; 5 ⁽¹⁾	E; H; K
	> 500K to 3M2	0.1; 0.25; 0.5; 1; 2; 5	H; K
0805	10 to < 100	0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	100 to 360K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	> 360K to 511K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	Z; Y; E; H; K
	> 511K to 750K	0.05; 0.1; 0.25; 0.5; 1; 2; 5	E; H; K
	> 750K to 10M	0.1; 0.25; 0.5; 1; 2; 5 ⁽¹⁾	H; K



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BEST TOLERANCE AND TCR VS. OHMIC VALUE			
STYLE	RANGE (Ω)	TOLERANCE (± %)	TCR CODE
1005	10 to < 100	0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	100 to 400K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	> 400K to 550K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	Z; Y; E; H; K
	> 550K to 810K	0.05; 0.1; 0.25; 0.5; 1; 2; 5	E; H; K
	> 810K to 8M1	0.1; 0.25; 0.5; 1; 2; 5 ⁽¹⁾	H; K
1206	10 to < 100	0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	100 to 1M3	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	> 1M3 to 2M	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	Z; Y; E; H; K
	> 2M to 3M5	0.05; 0.1; 0.25; 0.5; 1; 2; 5	E; H; K
	> 3M5 to 35M	0.1; 0.25; 0.5; 1; 2; 5 ⁽¹⁾	H; K
1505	10 to < 100	0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	100 to 720K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	> 720K to 1M	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	Z; Y; E; H; K
	> 1M to 1M5	0.05; 0.1; 0.25; 0.5; 1; 2; 5	E; H; K
	> 1M5 to 15M	0.1; 0.25; 0.5; 1; 2; 5 ⁽¹⁾	H; K
2010	10 to < 100	0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	100 to 3M8	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	> 3M8 to 5M	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	Z; Y; E; H; K
	> 5M to 7M5	0.05; 0.1; 0.25; 0.5; 1; 2; 5	E; H; K
	> 7M5 to 76M	0.1; 0.25; 0.5; 1; 2; 5 ⁽¹⁾	H; K
2512	10 to < 100	0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	100 to 7M6	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	> 7M6 to 10M	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	Z; Y; E; H; K
	> 10M to 15M	0.05; 0.1; 0.25; 0.5; 1; 2; 5	E; H; K
	> 15M to 200M	0.1; 0.25; 0.5; 1; 2; 5 ⁽¹⁾	H; K

Note

⁽¹⁾ Tolerance 0.05 % on request



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AFTER

STYLE	RANGE(Ω)	TOLERANCE (\pm %)	TCR CODE
0302	10 to < 50	0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	50 to < 100	0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	100 to < 250	0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	250 to 30K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	> 30K to 40K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	Z; Y; E; H; K
	> 40K to 65K	0.05; 0.1; 0.25; 0.5; 1; 2; 5	E; H; K
	> 65K to 420K	0.1; 0.25; 0.5; 1; 2; 5 (1)	H; K
0402	10 to < 50	0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	50 to < 100	0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	100 to < 250	0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	250 to 67K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	> 67K to 100K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	Z; Y; E; H; K
	> 100K to 150K	0.05; 0.1; 0.25; 0.5; 1; 2; 5	E; H; K
	> 150K to 1M	0.1; 0.25; 0.5; 1; 2; 5 (1)	H; K
0505	10 to < 50	0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	50 to < 100	0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	100 to < 250	0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	250 to 187K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	> 187K to 260K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	Z; Y; E; H; K
	> 260K to 400K	0.05; 0.1; 0.25; 0.5; 1; 2; 5	E; H; K
	> 400K to 4M	0.1; 0.25; 0.5; 1; 2; 5 (1)	H; K
0603	10 to < 50	0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	50 to < 100	0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	100 to < 250	0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	250 to 160K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	> 160K to 332K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	Z; Y; E; H; K
	> 332K to 500K	0.05; 0.1; 0.25; 0.5; 1; 2; 5	E; H; K
	> 500K to 3M2	0.1; 0.25; 0.5; 1; 2; 5 (1)	H; K
0805	10 to < 50	0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	50 to < 100	0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	100 to < 250	0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	250 to 360K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	> 360K to 511K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	Z; Y; E; H; K
	> 511K to 750K	0.05; 0.1; 0.25; 0.5; 1; 2; 5	E; H; K
	> 750K to 8M	0.1; 0.25; 0.5; 1; 2; 5 (1)	H; K



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STYLE	RANGE(Ω)	TOLERANCE (\pm %)	TCR CODE
1005	10 to < 50	0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	50 to < 100	0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	100 to < 250	0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	250 to 400K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	> 400K to 550K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	Z; Y; E; H; K
	> 550K to 810K	0.05; 0.1; 0.25; 0.5; 1; 2; 5	E; H; K
	> 810K to 7M5	0.1; 0.25; 0.5; 1; 2; 5 (1)	H; K
1206	10 to < 50	0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	50 to < 100	0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	100 to < 250	0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	250 to 1M3	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	> 1M3 to 2M	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	Z; Y; E; H; K
	> 2M to 3M5	0.05; 0.1; 0.25; 0.5; 1; 2; 5	E; H; K
	> 3M5 to 22M	0.1; 0.25; 0.5; 1; 2; 5 (1)	H; K
1505	10 to < 50	0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	50 to < 100	0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	100 to < 250	0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	250 to 720K	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	> 720K to 1M	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	Z; Y; E; H; K
	> 1M to 1M5	0.05; 0.1; 0.25; 0.5; 1; 2; 5	E; H; K
	> 1M5 to 13M8	0.1; 0.25; 0.5; 1; 2; 5 (1)	H; K
2010	10 to < 50	0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	50 to < 100	0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	100 to < 250	0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	250 to 3M8	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	> 3M8 to 5M	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	Z; Y; E; H; K
	> 5M to 7M5	0.05; 0.1; 0.25; 0.5; 1; 2; 5	E; H; K
	> 7M5 to 62M	0.1; 0.25; 0.5; 1; 2; 5 (1)	H; K
2512	10 to < 50	0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	50 to < 100	0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	100 to < 250	0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	250 to 6M4	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	C; Z; Y; E; H; K
	> 6M4 to 8M6	0.01; 0.02; 0.05; 0.1; 0.25; 0.5; 1; 2; 5	Z; Y; E; H; K
	> 8M6 to 12M9	0.05; 0.1; 0.25; 0.5; 1; 2; 5	E; H; K
	> 12M9 to 86M	0.1; 0.25; 0.5; 1; 2; 5 (1)	H; K



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Hereunder are the ohmic ranges of the **PHT series**, BEFORE and AFTER modification

BEFORE

TABLE 2			
SERIES	RANGE (Ω)	TOL. (\pm %)	TCR CODE
0402	From 10R to 90K	0.05; 0.1; 0.5; 1	Y; E; H
	From > 90K to 130K	0.05; 0.1; 0.5; 1	E; H
0603	From 10R to 210K	0.05; 0.1; 0.5; 1	Y; E; H
	From > 210K to 320K	0.05; 0.1; 0.5; 1	E; H
0805	From 10R to 480K	0.05; 0.1; 0.5; 1	Y; E; H
	From > 480K to 720K	0.05; 0.1; 0.5; 1	E; H
1206	From 10R to 1M8	0.05; 0.1; 0.5; 1	Y; E; H
	From > 1M8 to 2M7	0.05; 0.1; 0.5; 1	E; H
2010	From 10R to 5M	0.05; 0.1; 0.5; 1	Y; E; H
	From > 5M to 7M5	0.05; 0.1; 0.5; 1	E; H

AFTER

SERIES	RANGE(Ω)	TOLERANCE (\pm %)	TCR CODE
0402	From 10 to 50	0.1; 0.5; 1	Y; E; H
	From > 50 to 90K	0.05; 0.1; 0.5; 1	Y; E; H
	From > 90K to 130K	0.05; 0.1; 0.5; 1	E; H
0603	From 10 to 50	0.1; 0.5; 1	Y; E; H
	From > 50 to 210K	0.05; 0.1; 0.5; 1	Y; E; H
	From > 210K to 320K	0.05; 0.1; 0.5; 1	E; H
0805	From 10 to 50	0.1; 0.5; 1	Y; E; H
	From > 50 to 480K	0.05; 0.1; 0.5; 1	Y; E; H
	From > 480K to 720K	0.05; 0.1; 0.5; 1	E; H
1206	From 10 to 50	0.1; 0.5; 1	Y; E; H
	From > 50 to 1M8	0.05; 0.1; 0.5; 1	Y; E; H
	From > 1M8 to 2M7	0.05; 0.1; 0.5; 1	E; H
2010	From 10 to 50	0.1; 0.5; 1	Y; E; H
	From > 50 to 5M	0.05; 0.1; 0.5; 1	Y; E; H
	From > 5M to 7M5	0.05; 0.1; 0.5; 1	E; H