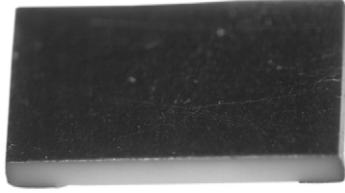


High Temperature (230 °C) Zero Ohm Jumper SMD Thin Film Chip Resistor (Strap)



LINKS TO ADDITIONAL RESOURCES



More and more, customers use SMD straps (0 Ω) to able or disable a function on their PCB. Vishay Sfernice offers straps in a wide range of standard dimensions: From 02016 to 2512. For applications requiring high temperature withstanding (up to 230 °C).

FEATURES

- Zero Ohm jumper
- SMD wraparound
- Sizes available: 02016 to 2512
- Thin film technology
- Terminations: gold or tin / silver
- Resistance value < 30 mΩ
- Maximum current through resistor: 0.5 A to 6.3 A
- Temperature range: -55 °C to +230 °C
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912



RoHS
COMPLIANT

HALOGEN
FREE
Available

GREEN
(5-2008)
Available

STANDARD ELECTRICAL SPECIFICATIONS				
MODEL	SIZE	RESISTANCE RANGE Ω	RATED POWER W AT 215°C	MAXIMUM CURRENT A AT 215°C
PZHT02016	02016	0 (max. 0.02)	0.002	0.28
PZHT0402	0402	0 (max. 0.02)	0.004	0.4
PZHT0603	0603	0 (max. 0.02)	0.008	0.56
PZHT0805	0805	0 (max. 0.02)	0.015	0.77
PZHT1206	1206	0 (max. 0.025)	0.025	1
PZHT2010	2010	0 (max. 0.025)	0.08	1.78
PZHT2512	2512	0 (max. 0.025)	0.1	2

CLIMATIC SPECIFICATIONS	
Operating temperature range	-55 °C; +215 °C
Storage temperature range	-55 °C; +230 °C

MECHANICAL SPECIFICATIONS	
Substrate	Alumina
Technology	Thin film
Film	Au or SnAg over nickel barrier
Terminations ⁽¹⁾	G type: Au for HMP (high melting point) reflow process over nickel barrier M type: Au one face with active face down in tape and reel N type: SnAg for solder reflow over nickel barrier F type: SnAg one face

Note

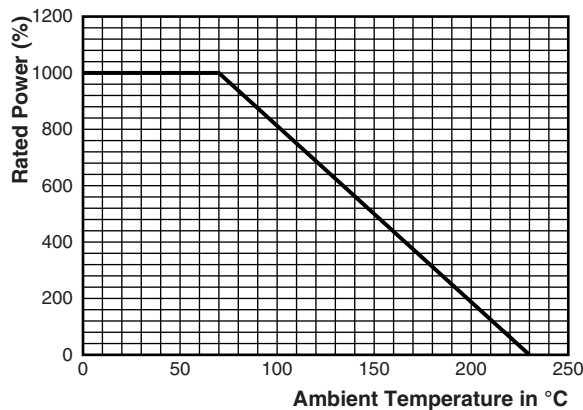
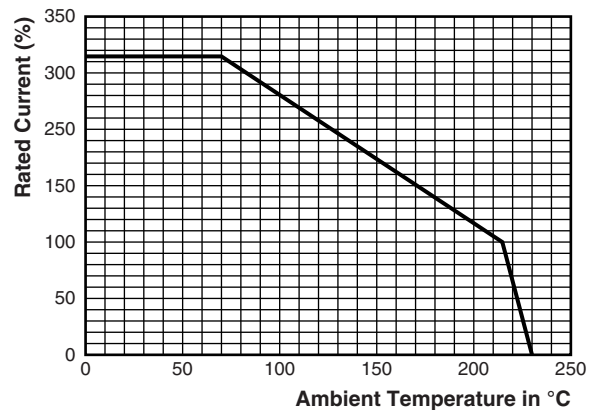
⁽¹⁾ SnAg for temperatures up to 200 °C - Au for temperatures up to 230 °C

DIMENSIONS in millimeters

One Face Termination PZHT02016 to PZHT2512		Wraparound Terminations PZHT0402 to PZHT2512						
Side View	Active Face View	Side View	Bottom View					
TERMINATIONS	One face	Wraparound	One face	Wraparound	One face	Wraparound	One face	Wraparound
MODEL	L		W		H		D	
PZHT02016	0.48 (± 0.1)	n/a	0.39 (± 0.1)	n/a	0.42 ± 0.07		n/a	
PZHT0402	1 ± 0.152		0.6 ± 0.127		0.5 ± 0.127		n/a	0.25 ± 0.1
PZHT0603	1.52 ± 0.152		0.85 ± 0.127		0.5 ± 0.127		n/a	0.38 ± 0.13
PZHT0805	1.91 ± 0.152		1.27 ± 0.127		0.5 ± 0.127		n/a	0.38 ± 0.13
PZHT1206	3.06 ± 0.152		1.6 ± 0.127		0.5 ± 0.127		n/a	0.40 ± 0.13
PZHT2010	5.08 ± 0.152		2.54 ± 0.127		0.5 ± 0.127		n/a	0.48 ± 0.13
PZHT2512	6.35 ± 0.152		3.3 ± 0.127		0.5 ± 0.127		n/a	0.48 ± 0.13

SUGGESTED LAND PATTERN in millimeters

One face		Wraparound		One face		Wraparound	
MODEL	Z _{max.}		G _{min.}		X _{max.}		
PZHT02016	0.55	n/a	0.15	n/a	0.50	n/a	
PZHT0402	1.15	1.55	0.15		0.73		
PZHT0603	1.67	2.37	0.35		0.98		
PZHT0805	2.06	2.76	0.74		1.40		
PZHT1206	3.21	3.91	1.85		1.73		
PZHT2010	5.23	5.93	3.71		2.67		
PZHT2512	6.5	7.20	4.91		3.32		

POWER DERATING CURVE

CURRENT DERATED CURVE




PACKAGING

Antistatic packaging: waffle pack or paper tape or low conductivity plastic tape. PZHT02016 only available in plastic tape.

Table with columns: SIZE, MOQ, NUMBER OF PIECES PER PACKAGE (WAFFLE PACK 2" x 2", TAPE AND REEL MIN., MAX.), TAPE WIDTH. Rows include sizes 02016, 0402, 0603, 0805, 1206, 2010, 2512.

PACKAGING RULES

Waffle Pack

Can be filled up to maximum quantity indicated in the table here above, taking into account the minimum order quantity. When quantity ordered exceeds maximum quantity of a single waffle pack, the waffle packs are stacked up on the top of each other and closed by one single cover. To get "not stacked up" waffle pack in case of ordered quantity > maximum number of pieces per package: Please consult Vishay Sfernice for specific ordering code.

Tape and Reel

Can be filled up to maximum quantity indicated in the table here above, taking into account the minimum order quantity. When quantity ordered is between the MOQ and the maximum reel capacity, only one reel is provided. When several reels are needed for ordered quantity within MOQ and maximum reel capacity: Please consult Vishay Sfernice for specific ordering code.

Parts are packed: active face down.

GLOBAL PART NUMBER INFORMATION. Global Part Numbering: PZHT1206-0R00NT. Includes a diagram showing the breakdown of the part number into fields: GLOBAL MODEL (PZHT), SIZE (02016, 0402, 0603, 0805, 1206, 2010, 2512), OHMIC VALUE (0 Ω), TERMINATION (M, F, N, G), and PACKAGING.

Notes

- (1) PZHT02016: one face termination only
(2) P and G: for temperatures up to 230 °C
F and N: for temperatures up to 200 °C

CODIFICATION OF PACKAGING table. Columns: CODE 18, PACKAGING. Rows include WAFFLE PACK (W, WA), PLASTIC TAPE (T, TA, TB, TC, TD, TE, TF), and PAPER TAPE (PT, PA, PB, PC, PD, PE, PF).



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