

HLT

Vishay Dale

Wirewound Resistors, Industrial Power, Tapped Tubular



FEATURES

- Fixed taps for voltage dividers
- High temperature silicon coating
- Complete welded construction
- Excellent stability in operation (< 3 % change in resistance)
- Can be used as multi-tap resistor

www.vishay.com/doc?99912

for definitions of compliance

Material categorization:



please see

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Note

This datasheet provides information about parts that are RoHS-compliant and / or parts that are non-RoHS-compliant. For example, parts with lead (Pb) terminations are not RoHS-compliant. Please see the information / tables in this datasheet for details.

| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | STAND | ARD ELECTR | RICAL SPECIFICA | TIONS | | | | |
|---|---|---|---|---|--------|--------------------------|--|--|
| HL T015 HLT-15 15 0.1 to 18K 10 8.64 HLT020 HLT-25 20 0.1 to 31K 10 12.57 HLT025 HLT-25 25 0.1 to 34K 10 20.72 HLT026 HLT-25 26 0.1 to 59K 10 15.34 HLT050 50 0.1 to 104K 10 42.08 HLT051 HLT-55 55 0.1 to 104K 10 42.08 HLT065 HLT-56 65 0.1 to 136K 10 64.82 HLT060 HLT-70 70 0.1 to 72K 10 64.82 HLT070 HLT-70 70 0.1 to 72K 10 64.82 HLT085 HLT-80 80 0.1 to 72K 10 64.82 HLT080 HLT-80 100 0.1 to 253K 10 13.7 HLT100 100 0.1 to 356K 10 19.3 13.7 HLT120 HLT-120 120 0.1 to 356K 10 192.36 HLT130 HLT-75 175 0.1 to 481K 10 245.66 | | | <i>P</i> 25 °C | TOTAL RESISTANCE WITH ONE TA | | WEIGHT (typical) a | | |
| HLT025 HLT-25 25 0.1 to 34K 10 20.72 HLT026 HLT-26 26 0.1 to 59K 10 15.34 HLT050 HLT-50 50 0.1 to 104K 10 42.08 HLT051 HLT-51 51 0.1 to 19K 10 42.08 HLT055 55 0.1 to 19K 10 65.4 HLT060 HLT-66 65 0.1 to 138K 10 65.4 HLT080 HLT-70 70 0.1 to 72K 10 66.48 HLT080 HLT-80 80 0.1 to 164K 10 121.58 HLT080 HLT-70 70 0.1 to 72K 10 66.48 HLT080 HLT-70 70 0.1 to 250K 10 121.58 HLT080 HLT-70 100 0.1 to 260K 10 183.82 HLT120 HLT-10 100 0.1 to 358K 10 192.36 HLT120 HLT-175 175 0.1 to 481K 10 250.80 HLT120 HLT-175 175 0.1 to 481K 10 30.99.0; ± 90 | HLT015 | HLT-15 | | | 10 | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | HLT020 | HLT-20 | 20 | 0.1 to 31K | 10 | 12.57 | | |
| H.T050 H.T-50 50 0.1 to 104K 10 42.08 H.T051 H.T-51 51 0.1 to 112K 10 51.96 H.T055 H.T-55 55 0.1 to 49K 10 60.48 H.T060 H.T-60 60 0.1 to 159K 10 65.48 H.T060 H.T-70 70 0.1 to 159K 10 66.482 H.T070 H.T-70 70 0.1 to 164K 10 121.58 H.T085 H.T-80 80 0.1 to 164K 10 121.58 H.T080 H.T-70 70 0.1 to 164K 10 183.82 H.T080 H.T-70 100 0.1 to 253K 10 183.82 H.T130 H.T-120 120 0.1 to 305K 10 183.82 H.T130 H.T-75 175 0.1 to 446K 10 122.58 H.T175 H.T-75 175 0.1 to 426K 10 129.90; ± 90 for 0.1 Ω to 0.99 Ω Dielectric Withstanding Voltage V 100 0 for 10 Ω and above; ± 50 for 10 Ω to 0.9.9 Ω; ± 90 for 0.1 Ω to 0.99 Ω 1000, form terminal to mounting hardware | HLT025 | HLT-25 | 25 | | 10 | 20.72 | | |
| HLT051 HLT-51 51 0.1 to 112K 10 61.96 HLT055 HLT-55 55 0.1 to 136K 10 60.48 HLT060 HLT-66 60 0.1 to 136K 10 66.48 HLT065 HLT-65 65 0.1 to 136K 10 66.48 HLT065 HLT-60 60 0.1 to 136K 10 66.48 HLT070 TO 0.1 to 72K 10 60.48 HLT080 HLT-70 70 0.1 to 164K 10 121.58 HLT090 HLT-100 100 0.1 to 253K 10 192.36 HLT120 HLT-100 100 0.1 to 358K 10 192.36 HLT130 HLT-10 160 0.1 to 358K 10 192.36 HLT120 HLT-175 175 0.1 to 436K 10 245.80 HLT225 HLT-225 225 0.1 to 436K 10 245.80 HLT225 HLT-225 225 0.1 to 426.80 10 309.97 Dielectric Withstanding Voltage Va.C 1000 from terminal to mounting hardwar | HLT026 | HLT-26 | 26 | 0.1 to 59K | 10 | 15.34 | | |
| HLT055 HLT-55 55 0.1 to 49K 10 60.48 HLT060 HLT-60 60 0.1 to 136K 10 65.64 HLT065 HLT-80 60 0.1 to 139K 10 64.82 HLT070 HLT-80 80 0.1 to 159K 10 64.82 HLT085 HLT-80 80 0.1 to 164K 10 121.58 HLT085 HLT-95 95 0.1 to 253K 10 91.37 HLT120 HLT-10 100 0.1 to 358K 10 192.36 HLT120 HLT-15 175 0.1 to 44K 10 245.86 HLT25 HLT-175 175 0.1 to 44K 10 245.86 HLT25 HLT-125 225 0.1 to 42K 10 245.86 HLT25 HLT-120 225 0.1 to 42K 10 245.86 HLT25 HLT-225 225 0.1 to 622K 10 309.97 TECHNICAL SPECIFICATIONS PARAMETER UNIT HLT RESISTOR CHARACTERISTICS Temperature Coefficient ppm/°C ± 30 for 10 Ω and above; ± 50 fo | HLT050 | HLT-50 | 50 | 0.1 to 104K | 10 | 42.08 | | |
| HLT055 HLT-55 55 0.1 to 49K 10 60.48 HLT060 HLT-60 60 0.1 to 136K 10 65.64 HLT065 HLT-65 65 0.1 to 159K 10 64.82 HLT070 HLT-80 80 0.1 to 159K 10 64.82 HLT085 HLT-80 80 0.1 to 164K 10 121.58 HLT080 HLT-95 95 0.1 to 253K 10 91.37 HLT120 HLT-10 100 0.1 to 358K 10 123.58 HLT180 HLT-120 120 0.1 to 358K 10 192.36 HLT175 HLT-150 130 0.1 to 446K 10 245.86 HLT255 HLT-175 175 0.1 to 4245.86 10 309.97 TECHNICAL SPECIFICATIONS PAAMETER UNIT HLT RESISTOR CHARACTERISTICS PAAMETER UNIT HLT RESISTOR CHARACTERISTICS Temperature Coefficient ppm/*C ± 30 for 10 Ω and above; ± 50 for 1.0 Ω to 9.9 Ω; ± 90 for 0.1 Ω to 0.99 Ω Dielectric Withstanding Voltage V (P × R) ^{1/2} (P × R) ^{1/2} | HLT051 | HLT-51 | 51 | 0.1 to 112K | 10 | 51.96 | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | HLT055 | HLT-55 | 55 | | 10 | 60.48 | | |
| HLT070 HLT-70 70 0.1 to 72K 10 60.48 HLT080 HLT-80 80 0.1 to 164K 10 121.58 HLT095 HLT-95 95 0.1 to 96K 10 76.51 HLT100 HLT-100 100 0.1 to 253K 10 91.37 HLT120 HLT-120 120 0.1 to 305K 10 183.82 HLT130 HLT-150 130 0.1 to 358K 10 192.36 HLT155 HLT-155 175 0.1 to 446K 10 245.86 HLT225 HLT-25 225 0.1 to 622K 10 309.97 TECHNICAL SPECIFICATIONS PARAMETER UNIT HLT RESISTOR CHARACTERISTICS Temperature Coefficient ppm/°C ± 30 for 10 Ω and above; ± 50 for 1.0 Ω to 9.9 Ω; ± 90 for 0.1 Ω to 0.99 Ω Dielectric Withstanding Voltage V _{AG} 100 monting hardware Short Time Overload - 10 Ω to 9.9 Ω; ± 90 for 0.1 Ω to 0.99 Ω Maximum Working Voltage V (P × R)^{1/2} Insulation Resistance Ω 0 K = ± 10.0 % | HLT060 | HLT-60 | 60 | 0.1 to 136K | 10 | 65.64 | | |
| HLT080 HLT-80 80 0.1 to 164K 10 121.58 HLT095 HLT-95 95 0.1 to 96K 10 76.51 HLT100 HLT-120 100 0.1 to 253K 10 91.37 HLT120 HLT-120 120 0.1 to 253K 10 183.82 HLT130 HLT-130 130 0.1 to 358K 10 192.36 HLT160 HLT-175 175 0.1 to 481K 10 245.86 HLT25 HLT-175 175 0.1 to 481K 10 250.80 HLT225 HLT-225 225 0.1 to 622K 10 309.97 TECHNICAL SPECIFICATIONS PARAMETER UNIT HLT RESISTOR CHARACTERISTICS Temperature Coefficient ppm/°C ± 30 for 10 Ω and above; ± 50 for 1.0 Ω to 9.9 Ω; ± 90 for 0.1 Ω to 0.99 Ω Dielectric Withstanding Voltage VAC 100 MΩ minimum after moisture test Operating Temperature Coefficient ppm/°C ± 30 for 10 Ω 0 MΩ minimum dry, 100 MΩ minimum after moisture test Quertain test and additional P/N (prote sin pack (J01)) (for n 1 test and additional P/N (prote sin pack (J01)) (for n 1 test and additional P/N (prote sin pack | HLT065 | HLT-65 | 65 | 0.1 to 159K | 10 | 64.82 | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | HLT070 | HLT-70 | 70 | 0.1 to 72K | 10 | 60.48 | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | HLT-80 | 80 | 0.1 to 164K | 10 | 121.58 | | |
| HLT100 HLT-100 100 0.1 to 253K 10 91.37 HLT120 HLT-120 120 0.1 to 305K 10 183.82 HLT130 HLT-130 130 0.1 to 358K 10 182.36 HLT106 HLT-160 160 0.1 to 446K 10 245.86 HLT25 HLT-175 175 0.1 to 481K 10 250.80 HLT225 HLT-225 225 0.1 to 622K 10 309.97 TECHNICAL SPECIFICATIONS PRAMETER UNIT HLT RESISTOR CHARACTERISTICS Temperature Coefficient ppm/°C ± 30 for 10 Ω and above; ± 50 for 1.0 Ω to 9.9 Ω; ± 90 for 0.1 Ω to 0.99 Ω Dielectric Withstanding Voltage V (P × R) ^{1/2} 100 A Ω minimum dry, 100 MΩ minimum after moisture test Operating Temperature Range °C - 100 MΩ minimum dry, 100 MΩ Second GLOBAL PART NUMBER INFORMATION TERMINAL RESISTANCE VALC VALC J (*) eskin pack (J01) (dash nur HLT20 (see TerMINAL | | | | | | | | |
| HLT120 HLT-120 120 0.1 to 305K 10 183.82 HLT130 HLT-130 130 0.1 to 305K 10 192.36 HLT160 HLT-160 160 0.1 to 346K 10 245.86 HLT175 HLT-175 175 0.1 to 446K 10 245.86 HLT225 HLT-225 225 0.1 to 622K 10 309.97 TECHNICAL SPECIFICATIONS PARAMETER UNIT HLT RESISTOR CHARACTERISTICS Temperature Coefficient ppm/°C ± 30 for 10 Ω and above; ± 50 for 1.0 Ω to 9.9 Ω; ± 90 for 0.1 Ω to 0.99 Ω Dielectric Withstanding Voltage Vac 1000, from terminal to mounting hardware Short Time Overload - 10 × rated power for 5 s Maximum Working Voltage V (P × R) ^{1/2} Insulation Resistance Ω 1000 MΩ minimum dry, 100 MΩ minimum after moisture test Operating Temperature Range °C -55 to +350 GLOBAL DESIGNATION R = decimal K = ± 10.0 % E = lead (Pb)-free skin pack (dath or no from 1 to a sapplic ditional P/N's) Tabe above for dditional P/N's) 15 N | | | | | | | | |
| HLT130 HLT-130 130 0.1 to 358K 10 192.36 HLT160 HLT-160 160 0.1 to 446K 10 245.86 HLT125 HLT-175 175 0.1 to 481K 10 255.86 PARAMETER UNIT HLT RESISTOR CHARACTERISTICS 10 309.97 TECHNICAL SPECIFICATIONS Parameter UNIT HLT RESISTOR CHARACTERISTICS Parameter UNIT ± 30 for 10 Ω and above; ± 50 for 1.0 Ω to 9.9 Ω; ± 90 for 0.1 Ω to 0.99 Ω Dielectric Withstanding Voltage V 100, from terminal to mounting hardware Short Time Overload - 100 X rated power for 5 s Maximum Working Voltage V (P × R) ^{1/2} Insulation Resistance Ω Note Note E = lead (Pb)-free skin pack (J01) SPEC/L GLOBAL DESIGNATION R = decimal K = thousand Note Note SPEC/L HLT120 (sce TERMINAL Pectrications" table above for dditional P/N's) TERMINAL PERMINAL TERMINAL Finish RESISTANCE VALUE TOLERANCE VALUE PACKAGING CODE SPEC/L Mote Disting pack (J01) TERMINAL N = nickel TERMINAL Phoite TERMINAL Pinish | | | | | | | | |
| HLT160 HLT-160 160 0.1 to 446K 10 245.86 HLT175 HLT-175 175 0.1 to 481K 10 245.86 HLT25 HLT-125 225 0.1 to 622K 10 309.97 TECHNICAL SPECIFICATIONS PARAMETER UNIT HLT RESISTOR CHARACTERISTICS Temperature Coefficient ppm/°C \pm 30 for 10 Ω and above; \pm 50 for 1.0 Ω to 9.9 Ω; \pm 90 for 0.1 Ω to 0.99 Ω Dielectric Withstanding Voltage V _{AC} 1000, from terminal to mounting hardware Short Time Overload - 10 x rated power for 5 s Maximum Working Voltage V (P x R) ^{1/2} Insulation Resistance Ω 1000 MΩ minimum dry, 100 MΩ minimum after moisture test - <td>-</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> | - | - | | | | | | |
| HLT175HLT-1751750.1 to 481K10250.80HLT225HLT-2252250.1 to 622K10309.97 TECHNICAL SPECIFICATIONS PARAMETERUNITHLT RESISTOR CHARACTERISTICSTemperature Coefficientppm/°C \pm 30 for 10 Ω and above; \pm 50 for 1.0 Ω to 9.9 Ω; \pm 90 for 0.1 Ω to 0.99 ΩDielectric Withstanding VoltageV1000, from terminal to mounting hardwareShort Time Overload-10 x rated power for 5 sMaximum Working VoltageV(P x R) ¹⁷² Insulation ResistanceΩ1000 MΩ minimum dry, 100 MΩ minimum after moisture testOperating Temperature Range°C-55 to +350 GLOBAL PART NUMBER INFORMATION Global Part Numbering example: HLT12007Z150R0KJHLT1207Z150R0KJGLOBAL MODELTERMINAL (Pb-free Table above for table above for table table above for table above for | | | | | | | | |
| HLT225 HLT-225 225 0.1 to 622K 10 309.97 TECHNICAL SPECIFICATIONS PARAMETER UNIT HLT RESISTOR CHARACTERISTICS Temperature Coefficient ppm/°C ± 30 for 10 Ω and above; ± 50 for 1.0 Ω 0.9 9.0; ± 90 for 0.1 Ω to 0.99 Ω Dielectric Withstanding Voltage V _{AC} 10 × rated power for 5 s Short Time Overload - 10 × rated power for 5 s Maximum Working Voltage V (P × R) ^{1/2} Insulation Resistance Ω 1000 MΩ minimum dry, 100 MΩ minimum after moisture test Operating Temperature Range °C -55 to +350 GLOBAL PART NUMBER INFORMATION Global Part Numbering example: HLT12007Z150R0KJ TOLERANCE PACKAGING CODE SPEC/u MUT120 (see TERMINAL DESIGNATION TERMINAL FINISH RESISTANCE VALUE TOLERANCE PACKAGING CODE SPEC/u GLOBAL MODEL DesignArtiON TELE E elead Of 7 Z 1 5 0 R 0 K J (dash nur (up to 2 d from 1 to a sapplic GLOBAL Meetrical above for diditional P/N's) TERMINAL 15 TERMINA | | | | | | | | |
| TECHNICAL SPECIFICATIONSPARAMETERUNITHLT RESISTOR CHARACTERISTICSTemperature Coefficientppm/°C \pm 30 for 10 Ω and above; \pm 50 for 1.0 Ω to 9.9 Ω ; \pm 90 for 0.1 Ω to 0.99 Ω Dielectric Withstanding VoltageV1000, from terminal to mounting hardwareShort Time Overload-1000 M Ω minimum dry, 100 M Ω minimum after moisture testOperating Temperature Range°C*PACKAGING CODEGLOBAL PART NUMBER INFORMATIONGlobal Part Numbering example: HLT12007Z150R0KJHLT12007Z150R0KJGLOBAL MODELDECIMAGE TERMINAL DESIGNATIONTERMINAL DESIGNATIONTERMINAL RESISTANCE VALUETOLERANCE K = ± 10.0 %PACKAGING CODE E = lead (Pb)-free skin pack J (1) = skin pack (J01)SPECIA (dash num (up to 2 d from 1 to as applic (dditional P/N's)Bistorical Part Numbering example: HLT-120-07Z150 Ω 10 %10 %J01Note It HLT-120OPTTOLERANCE Note (1) Tin / lead for type "Z", lead (Pb)-free for type "N" | | | | | | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | Short Time Maximum \ Insulation F | Overload Norking Voltage Resistance | - - - - - - - - - - - - - - - - - - - | 10 x rated power for 5 s $(P \times R)^{1/2}$ 1000 MΩ minimum dry, 100 MΩ minimum after moisture test | | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | HL | T1 | 2 0 0 | 7 Z 1 5 0 | R 0 K | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | MODEL DESIGNATION FINISH VALUE TOLLHANCE PACKAGING CODE SPECI | | | | | | | |
| HLT-120 07Z 150 Ω 10 % J01 | "Standard Electrical Specifications" table above for additional P/N's) 06 07 09 14 15 (Pb)-free 07 09 14 15 (Pb)-free 07 09 14 15 (Pb)-free 10.0 Ω 1K000 = 10.0 Ω 1K000 = 1 kΩ J (1) = skin pack (J01) Note (1) Tin / lead for type "Z", lead (Pb)-free for type "N" (up to 2 digits) from 1 to 99 as applicable | | | | | | | |
| | | | - | | 10 % | .101 | | |
| HISTORICAL MODEL TERMINAL/FINISH RESISTANCE VALUE TOLERANCE PACKAGING | | | | | | | | |
| | HISTORIC | CAL MODEL | TERMINAL/FINISH | RESISTANCE VALUE TO | ERANCE | PACKAGING | | |

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1 For technical questions, contact: <u>ww2dresistors@vishay.com</u> Document Number: 30221

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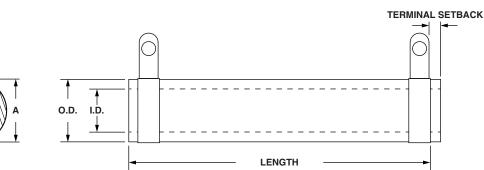
Product is End of Life Mar-2016 and Replaced by FST



Vishay Dale

HLT

DIMENSIONS



| | DIMENSIONS in inches [millimeters] | | | | | | | | |
|--------|------------------------------------|-------------------------------|---------------|-----------------------------|---------------------|---------------------|-------------------------|----------|---------------------|
| MODEL | А | CORE DIMENSIONS | | | TERMINAL SETBACK | DISTANCE BETWEEN | TERMINAL DESIGNATION | | BRACKET |
| | (max.) | LENGTH ± 0.062 [± 1.59] | O.D. | I.D. ± 0.031 [± 0.79] | ± 0.031 [± 0.79] | TEDMINIALS | STANDARD | OPTIONAL | TYPE ⁽²⁾ |
| HLT015 | 0.563 [14.29] | 1.500 [38.10] | 0.438 [11.11] | 0.313 [7.94] | 0.094 [2.38] | 0.937 [23.80] | 02Z | 14N | 101, 203, 301 |
| HLT020 | 0.563 [14.29] | 2.000 [50.80] | 0.438 [11.11] | 0.313 [7.94] | 0.094 [2.38] | 1.437 [36.50] | 02Z | 14N | 101, 203, 301 |
| HLT025 | 0.688 [17.46] | 2.000 [50.80] | 0.563 [14.29] | 0.313 [7.94] | 0.094 [2.38] | 1.312 [33.32] | 06Z | 15N | 101, 203, 301 |
| HLT026 | 0.563 [14.29] | 3.000 [76.20] | 0.438 [11.11] | 0.313 [7.94] | 0.094 [2.38] | 2.437 [61.90] | 02Z | 14N | 101, 203, 301 |
| HLT050 | 0.688 [17.46] | 4.000 [101.60] | 0.563 [14.29] | 0.313 [7.94] | 0.094 [2.38] | 3.312 [84.12] | 06Z | 15N | 101, 203, 301 |
| HLT051 | 0.906 [23.02] | 3.500 [88.90] | 0.750 [19.05] | 0.500 [12.70] | 0.125 [3.18] | 2.75 [69.85] | 06Z | 15N | 102, 206, 303 |
| HLT055 | (1) | 3.500 [88.90] | (1) | (1) | (1) | 2.968 [75.39] | 09Z | 16N | (1) |
| HLT060 | 0.906 [23.02] | 4.000 [101.60] | 0.750 [19.05] | 0.500 [12.70] | 0.125 [3.18] | 3.250 [82.55] | 06Z | 15N | 102, 206, 303 |
| HLT065 | 0.906 [23.02] | 4.500 [114.30] | 0.750 [19.05] | 0.500 [12.70] | 0.125 [3.18] | 3.750 [95.25] | 06Z | 15N | 102, 206, 303 |
| HLT070 | (1) | 4.750 [120.65] | (1) | (1) | (1) | 4.218 [107.14] | 09Z | 16N | (1) |
| HLT080 | 1.313 [33.34] | 4.000 [101.60] | 1.125 [28.58] | 0.750 [19.05] | 0.219 [5.56] | 2.812 [71.42] | 07Z | 15N | 103, 205, 303 |
| HLT095 | (1) | 6.000 [152.40] | (1) | (1) | (1) | 5.468 [138.89] | 09Z | 16N | (1) |
| HLT100 | 0.906 [23.02] | 6.500 [165.10] | 0.750 [19.05] | 0.500 [12.70] | 0.125 [3.18] | 5.750 [146.05] | 06Z | 15N | 102, 206, 303 |
| HLT120 | 1.313 [33.34] | 6.000 [152.40] | 1.125 [28.58] | 0.750 [19.05] | 0.219 [5.56] | 4.812 [122.23] | 07Z | 15N | 103, 205, 303 |
| HLT130 | | | 1.125 [28.58] | | | 5.312 [134.93] | 07Z | 15N | 103, 205, 303 |
| HLT160 | | 8.000 [203.20] | | | | 6.812 [173.03] | 07Z | 15N | 103, 205, 303 |
| HLT175 | | 8.500 [215.90] | | | | 7.312 [185.73] | 07Z | 15N | 103, 205, 303 |
| HLT225 | 1.313 [33.34] | 10.500 [266.70] | 1.125 [28.58] | 0.750 [19.05] | 0.219 [5.56] | 9.312 [236.53] | 07Z | 15N | 103, 205, 303 |

Notes

⁽¹⁾ HLT055, HLT070, and HLT095 are HL Flat style, see HL Flat datasheet for detail dimensions.

⁽²⁾ Brackets are available for mounting HLT series resistors - see Mounting Hardware section below.

TERMINAL DIMENSIONS



MOUNTING HARDWARE

Mounting hardware is available for HLT resistors, see "HL Brackets and Sliders" datasheet for more information (www.vishay.com/doc?30279).

MATERIAL SPECIFICATIONS

Element: copper-nickel alloy or nickel-chrome alloy, depending on resistance value

Core: ceramic, steatite

Coating: special high temperature silicone

Standard Terminals: model "E" terminals are tinned steel

Terminal Bands: steel

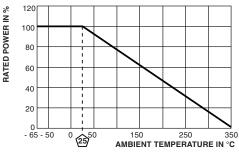
Part Marking: Dale, model, wattage, value, tolerance, date code

| DIMENSION | TERMINAL STYLE | | | | | | | |
|------------|----------------|---------|---------|---------|---------|---------|---------|--|
| DIVIENSION | 02 | 06 | 07 | 09 | 14 | 15 | 16 | |
| Α | 0.188 | 0.250 | 0.375 | 0.188 | 0.188 | 0.250 | 0.188 | |
| | [4.76] | [6.35] | [9.53] | [4.76] | [4.76] | [6.35] | [4.76] | |
| В | 0.406 | 0.563 | 0.625 | 0.500 | 0.563 | 0.594 | 0.563 | |
| | [10.32] | [14.29] | [15.88] | [12.70] | [14.29] | [15.08] | [14.29] | |
| С | 0.093 | 0.166 | 0.173 | 0.104 | 0.050 | 0.065 | 0.050 | |
| | [2.36] | [4.22] | [4.39] | [2.64] | [1.27] | [1.65] | [1.27] | |
| D | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.031 | 0.020 | |
| | [0.51] | [0.51] | [0.51] | [0.51] | [0.51] | [0.79] | [0.51] | |

TERMINAL FINISH

"E" Finish - 100 % Sn coated steel. "Z" Finish - 60/40 Sn/Pb coated steel. "N" Finish - Nickel coated steel. Finish for terminal style 14 and 15 is limited to nickel plated steel (N).

DERATING



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2 For technical questions, contact: ww2dresistors@vishay.com Document Number: 30221

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