# Vishay vs. Legacy Barry Part Number Information

## VISHAY GLOBAL PART NUMBER INFORMATION

**Part Number Example: B-RP1206T50R0JG00T**

| B- | RP | 1206 | T | 50R0 | J | G | 00 | T |
|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

| | | | |
|---|---|---|---|
| 0 | **VISHAY BARRY PREFIX** | | |
| 1 | **PRODUCT FAMILY** | **RP** = resistor - wraparound | |
| 2 | **SIZE, mil** | | |
| 3 | **TERMINAL METALLIZATION FINISH** | **A** (AS) = tin / lead over platinum gold<br>**P** (BA) = palladium silver<br>**B** (CB) = tin / lead over nickel over silver<br>**D** (DS) = Sn96 over palladium silver / non-magnetic / tinned<br>**E** (EA) = gold I/O with palladium silver ground<br>**F** (FA) = gold I/O with platinum gold ground<br>**G** (GA) = gold (alumina only; use "H" for BeO)<br>**H** (HA) = gold over platinum gold I/O pads / **BeO only** with platinum gold ground<br>**I** (AH) = Sn62 over DuPont 4597 on input / **BeO only** thick film gold over DuPont 4597 on backpad (1)<br>**T** (CT) = tin over nickel over silver<br>**W** (WT) = tin over nickel over tungsten (1)<br>**J** (DA) = palladium silver / non-magnetic / untinned (1)<br>**C** (CC) = tin over copper over silver<br>**X** (AX) = Sn96 over platinum palladium gold<br>**U** (CE) = silver over nickel over silver (1) | |
| 4 | **RESISTANCE / ATTENUATION, Ω / dB** | **Resistance** | **Attenuation** |
| | | Examples:<br>**1R10** = 1.1 Ω<br>**1R00** = 1 Ω<br>**10R0** = 10 Ω<br>**1000** = 100 Ω<br>**1001** = 1 kΩ<br>**1002** = 10 kΩ<br>**1004** = 1 MΩ | Examples:<br>**0100** = 1 dB<br>**0250** = 2.5 dB<br>**1200** = 12 dB<br>**1850** = 18.5 dB |
| 5 | **TOLERANCE, %Ω / dB** | **F** = 1 % / ± 0.25 dB<br>**G** = 2 % / ± 0.50 dB<br>**J** = 5 % / ± 1.00 dB | |
| 6 | **MATERIAL AND THICKNESS** | **A** (80) = 0.010" BeO free<br>**B** (81) = 0.015" BeO free | **C** (83) = 0.025" BeO free<br>**D** (84) = 0.040" BeO free |
| | | **A** (90) = 0.010" Al<br>**B** (91) = 0.015" Al<br>**C** (93) = 0.025" Al<br>**D** (94) = 0.040" Al<br>**E** (95) = 0.010" BeO<br>**F** (96) = 0.015" BeO<br>**G** (98) = 0.025" BeO<br>**H** (99) = 0.040" BeO | **I** (9B) = 0.030" BeO<br>**J** (9F) = 0.060" BeO<br>**K** (2P) = 0.010" AlN<br>**L** (2Q) = 0.015" AlN<br>**M** (2S) = 0.025" AlN<br>**N** (2T) = 0.040" AlN<br>**O** (2U) = 0.060" AlN |
| 7 | **OPTION CODE** | **00** (blank) = standard option<br>**1** to **99** / **A1** to **ZZ** = assigned by Vishay | |
| 8 | **PACKAGING** | **Z** (blank) = bulk<br>**W** (WP) = waffle pack | |
| | | **Tape and reel active face up** | |
| | | **T** (TR) = tape and reel, 100 min. / 1 mult. / 1000 max. per tape<br>**A** (TRA) = tape and reel, 100 min. / 100 mult. / 100 max. per **cut tape**<br>**B** (TRB) = tape and reel, 1000 min. / 1000 mult. / 1000 max. per tape | |

**Notes**

- Legacy notations in brackets

(1) Not recommended for new designs (chip)

## LEGACY BARRY PART NUMBER INFORMATION

**Part Number Example: RP1206CT-50R0JN-98-TR**

| RP | 1206 | CT | - | 50R0 | J | N | - | 98 | - | | TR |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | | 4 | 5 | 6 | | 7 | | 8 | 9 |

| | | | |
|---|---|---|---|
| 1 | **PRODUCT FAMILY** | **RP** = resistor - wraparound | |
| 2 | **SIZE, mil** | | |
| 3 | **TERMINAL METALLIZATION FINISH** | **AS** (A) = tin / lead over platinum gold<br>**BA** (P) = palladium silver<br>**CB** (B) = tin / lead over nickel over silver<br>**DS** (D) = Sn96 over palladium silver / non-magnetic / tinned<br>**EA** (E) = gold I/O with palladium silver ground<br>**FA** (F) = gold I/O with platinum gold ground<br>**GA** (G) = gold (alumina only; use "HA" for BeO)<br>**HA** (H) = gold over platinum gold I/O pads / **BeO only** with platinum gold ground<br>**AH** (I) = Sn62 over DuPont 4597 on input / **BeO only** thick film gold over DuPont 4597 on backpad (1)<br>**CT** (T) = tin over nickel over silver<br>**WT** (W) = tin over nickel over tungsten (1)<br>**DA** (J) = palladium silver / non-magnetic / untinned (1)<br>**CC** (C) = tin over copper over silver<br>**AX** (X) = Sn96 over platinum palladium gold<br>**CE** (U) = silver over nickel over silver (1) | |
| 4 | **RESISTANCE / ATTENUATION, Ω / dB** | **Resistance** | **Attenuation** |
| | | Examples:<br>**1R10** = 1.1 Ω<br>**1R00** = 1 Ω<br>**10R0** = 10 Ω<br>**1000** = 100 Ω<br>**1001** = 1 kΩ<br>**1002** = 10 kΩ<br>**1004** = 1 MΩ | Examples:<br>**0100** = 1 dB<br>**0250** = 2.5 dB<br>**1200** = 12 dB<br>**1850** = 18.5 dB |
| 5 | **TOLERANCE, %Ω / dB** | **F** = 1 % / ± 0.25 dB<br>**G** = 2 % / ± 0.50 dB<br>**J** = 5 % / ± 1.00 dB | |
| 6 | **INSPECTION (2)** | **N** = normal | |
| 7 | **MATERIAL AND THICKNESS** | **80** (A) = 0.010" BeO free<br>**81** (B) = 0.015" BeO free | **83** (C) = 0.025" BeO free<br>**84** (D) = 0.040" BeO free |
| | | **90** (A) = 0.010" Al<br>**91** (B) = 0.015" Al<br>**93** (C) = 0.025" Al<br>**94** (D) = 0.040" Al<br>**95** (E) = 0.010" BeO<br>**96** (F) = 0.015" BeO<br>**98** (G) = 0.025" BeO<br>**99** (H) = 0.040" BeO | **9B** (I) = 0.030" BeO<br>**9F** (J) = 0.060" BeO<br>**2P** (K) = 0.010" AlN<br>**2Q** (L) = 0.015" AlN<br>**2S** (M) = 0.025" AlN<br>**2T** (N) = 0.040" AlN<br>**2U** (O) = 0.060" AlN |
| 8 | **OPTION CODE** | **Blank** (00) = standard option | |
| 9 | **PACKAGING** | **Blank** (Z) = bulk<br>**WP** (W) = waffle pack | |
| | | **Tape and reel active face up** | |
| | | **TR** (T) = tape and reel, 100 min. / 1 mult. / 1000 max. per tape<br>**TRA** (A) = tape and reel, 100 min. / 100 mult. / 100 max. per **cut tape**<br>**TRB** (B) = tape and reel, 1000 min. / 1000 mult. / 1000 max. per tape | |

**Notes**

- Vishay notations in brackets

(1) Not recommended for new designs (chip)

(2) Removed from Vishay P/N