

**DLA Land and Maritime - VQ
Supplemental Information Sheet for Electronic QPL-55182**

Date: 4/25/2013

Specification Details:

Specification: MIL-PRF-55182
 Title: Resistors, Fixed, Film, Chip
 Federal Supply Class (FSC): 5905
 Conventional: No
 Specification contains quality assurance program: No
 MIL-STD-790 Established Reliability & High Reliability: Yes
 MIL-STD-690 Failure Rate Sampling Plans & Procedures: Yes
 Weibull Graded: No
 Specification contains space level reliability requirements: No
 Specification allows test optimization: Yes

Contact Information:

Office of Primary Involvement: Passive Devices Branch, DLA Land and Maritime - VQP
 Primary Qualifying Activity Contact: 614-692-0597, e-mail: vqp.jz@dla.mil
 Secondary Qualifying Activity Contact: 614-692-0609, e-mail: vqp.do@dla.mil

Notes:

THE ACTIVITY RESPONSIBLE FOR THIS QPL IS THE U.S. ARMY COMMUNICATIONS-ELECTRONICS COMMAND AND FORT MONMOUTH. The activity designated as agent for all contacts relative to this QPL is DLA Land and Maritime-VQ, Columbus, OH 43218-3990.

Per Amendment 2 of MIL-R-55182/1 and MIL-R-55182/7 a requirement was added for a one-digit code to be marked on the resistor to identify each manufacturer. The codes for the manufacturers are as follows:

Vishay Angstrom: A
 Vishay Dale: D
 IRC (Boone): R

Contact the manufacturer or refer to the manufacturers website for a list of Authorized Distributors.

Part Configuration:

RN*551/C49R9FM

| Style and Termination Type | Characteristic | Resistance | Resistance Tolerance | Product Level Designator |
|----------------------------|----------------|------------|----------------------|--------------------------|
| RN*55 1/ | C | 49R9 | F | M |

PART LISTINGS

| GOVERNMENT DESIGNATION | MANUFACTURER'S DESIGNATION OR TYPE NUMBER | TEST OR QUALIFICATION REFERENCE | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|---|---|---------------------------------|---------------------|--|
| Part 1 | | | | |
| RNC50 | | | | |
| Chars. H, J; res. values 10 ohms thru 796 kilohms; tols. B, D, F; life failure rates C, M, P, R, S | ERC-50, ERC-50-31 | 55182-1107-79; 55182-304-87 | /7 | Vishay Dale (Columbus, NE) |
| RNC50 | | | | |
| Chars. K; res. values 10 ohms thru 796 kilohms; tols. D, F; life failure rates C, M, P, R, S | ERC-50, ERC-50-31 | 55182-1107-79; 55182-304-87 | /7 | Vishay Dale (Columbus, NE) |
| RNC51 | | | | |
| Chars. H, J; res. values 10 ohms thru 200 kilohms; tols. B, D, F; life failure rates C, M, P, R, S | ERC-50-12 | 55182-84-72 | /11 | Vishay Dale (Columbus, NE) |
| RNC51 | | | | |
| Chars. K; res. values 10 ohms thru 200 kilohms; tols. D, F; life failure rates C, M, P, R, S | ERC-50-12 | 55182-84-72 | /11 | Vishay Dale (Columbus, NE) |
| RNC55 | | | | |
| Chars. H, J; res. values 10 ohms thru 2 megohms; tols. B, D, F; life failure rates C, M, P, R, S | ERC-55, ERC-55-65 | 55182-304-87; 55182-438-81 | /1 | Vishay Dale (Columbus, NE) |
| RNC55 | | | | |
| Chars. K; res. values 10 ohms thru 2 megohms; tols. D, F; life failure rates C, M, P, R, S | ERC-55, ERC-55-65 | 55182-304-87; 55182-438-81 | /1 | Vishay Dale (Columbus, NE) |
| RNC56 | | | | |
| Chars. H, J; res. values 10 ohms thru 1.21 megohms; tols. B, D, F; life failure rates C, M, P, R, S | ERC-55-91 | 55182-590-82 | /12 | Vishay Dale (Columbus, NE) |

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| Part 1 | | | | |
| RNC56 Chars. K; res. values 10 ohms thru 1.21 megohms; tols. D, F; life failure rates C, M, P, R, S | ERC-55-91 | 55182-590-82 | /12 | Vishay Dale (Columbus, NE) |
| RNC60 Chars. H, J, K; res. values 10 ohms thru 2 megohms; tols. B, D, F; life failure rates C, M, P, R, S | ERC-55-200, ERC-55-201 | 55182-542-88; 55182-94-88 | /3 | Vishay Dale (Columbus, NE) |
| RNC60 Chars. H, J, K; res. values 2 megohms thru 3.01 megohms; tols. D, F; life failure rates C, M | ERC-55-200, ERC-55-201 | 55182-542-88; 55182-94-88 | /3 | Vishay Dale (Columbus, NE) |
| RNC65 Chars. H, J; res. values 10 ohms thru 3.01 megohms; tols. B, D, F; life failure rates C, M, P, R | ERC-65, ERC-65-65 | 55182-185-77; 55182-304-65 | /5 | Vishay Dale (Columbus, NE) |
| RNC65 Chars. K; res. values 10 ohms thru 3.01 megohms; tols. D, F; life failure rates C, M, P, R | ERC-65, ERC-65-65 | 55182-185-77; 55182-304-87 | /5 | Vishay Dale (Columbus, NE) |
| RNC70 Chars. H, J; res. values 10 ohms thru 3.01 megohms; tols. B, D, F; life failure rates C, M, P, R | ERC-70, ERC-70-4 | 55182-304-87; 55182-506-86 | /6 | Vishay Dale (Columbus, NE) |
| RNC70 Chars. K; res. values 10 ohms thru 3.01 megohms; tols. D, F; life failure rates C, M, P, R | ERC-70, ERC-70-4 | 55182-304-87; 55182-506-86 | /6 | Vishay Dale (Columbus, NE) |
| RNC90 Chars. T, Y; res. values 4.99 ohms thru 16 ohms; tols. B, D, F; life failure rates M, P, R | S555, S555L | 55182-001-99; 55182-066-96; 55182-152-97; 55182-317-02 | /9 | Vishay Advanced Technologies, Inc. |
| RNC90 Chars. T, Y; res. values 30.1 ohms thru 121 kilohms; tols. A, B, D, F, T, V; life failure rates M, P, R | S555, S555L | 55182-002-99; 55182-066-96; 55182-152-97; 55182-317-02 | /9 | Vishay Advanced Technologies, Inc. |
| RNC90 Chars. T, Y; res. values 16.2 ohms thru 30 ohms; tols. A, B, D, F; life failure rates M, P, R | S555, S555L | 55182-001-99; 55182-119-99; 55182-145-94; 55182-317-02 | /9 | Vishay Advanced Technologies, Inc. |
| RNC90 Chars. S, Z; res. values 30.1 ohms thru 121 kilohms; tols. A, B, D, F, T, V; life failure rates M, P, R | Z555, Z555L | 55182-052-01; 55182-2208-08; 55182-2209-08; 55182-316-02; 55182-670-03 | /9 | Vishay Advanced Technologies, Inc. |
| RNC90 Chars. T, Y; res. values 4.99 ohms thru 121 kilohms; tols. A, B, D, F, T, V; life failure rates M, P, R | WQ, WT | 55182-154-98; 55182-155-98; 55182-157-02; 55182-254-02; 55182-484-03; 55182-859-04; 55182-860-04 | /9 | Wilbrecht LEDCO, Inc. |
| RNC90 Chars. S, Z; res. values 30.1 ohms thru 121 kilohms; tols. A, B, D, F, T, V; life failure rates M, P, R | WZ | 55182-1312-05 | /9 | Wilbrecht LEDCO, Inc. |
| RNN55 Chars. C, E; res. values 10 ohms thru 1.21 megohms; tols. B, D, F; life failure rates C, M, P, R, S | HDN-55, HDN-55-65 | 55182-052-96; 55182-118-95; 55182-121-96; 55182-134-95; 55182-158-96; 55182-222-94; 55182-237-93 | /1 | Vishay Angstrom |

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| Part 1 | | | | |
| RNN57 Chars. C, E; res. values 49.9 ohms thru 200 kilohms; tols. F; life failure rates C, M, P, R, S | HDN-57, HDN-57-1 | 55182-026-97; 55182-117-95; 55182-121-96 | /2 | Vishay Angstrohm |
| RNN60 Chars. C, E; res. values 10 ohms thru 2.49 megohms; tols. B, D, F; life failure rates C, M, P, R, S | HDN-60, HDN-60-1 | 55182-105-96; 55182-121-96; 55182-125-96; 55182-223-94 | /3 | Vishay Angstrohm |
| RNN65 Chars. C, E; res. values 24.9 ohms thru 4.99 megohms; tols. B, D, F; life failure rates C, M, P | HDN-65, HDN-65-65 | 55182-050-99; 55182-071-97; 55182-124-96; 55182-162-99 | /5 | Vishay Angstrohm |
| RNN70 Chars. C, E; res. values 24.9 ohms thru 4.99 megohms; tols. B, D, F; life failure rates C, M, P | HDN-70, HDN-70-4 | 55182-050-99; 55182-071-97; 55182-124-96 | /6 | Vishay Angstrohm |
| RNN75 Chars. E, J; res. values 49.9 ohms thru 1.21 megohms; tols. B, D, F; life failure rates C, M | HDN-75, HDN-75-1 | 55182-033-98; 55182-050-99 | /10 | Vishay Angstrohm |
| RNR50 Chars. H, J; res. values 10 ohms thru 796 kilohms; tols. B, D, F; life failure rates M, P, R, S | ERC-50, ERC-50-31 | 55182-1107-79; 55182-304-87 | /7 | Vishay Dale (Columbus, NE) |
| RNR50 Chars. K; res. values 10 ohms thru 796 kilohms; tols. D, F; life failure rates M, P, R, S | ERC-50, ERC-50-31 | 55182-1107-79; 55182-304-87 | /7 | Vishay Dale (Columbus, NE) |
| RNR51 Chars. H, J; res. values 10 ohms thru 200 kilohms; tols. B, D, F; life failure rates C, M, P, R, S | ERC-50-12 | 55182-84-72 | /11 | Vishay Dale (Columbus, NE) |
| RNR51 Chars. K; res. values 10 ohms thru 200 kilohms; tols. D, F; life failure rates C, M, P, R, S | ERC-50-12 | 55182-84-72 | /11 | Vishay Dale (Columbus, NE) |
| RNR55 Chars. C, E; res. values 10 ohms thru 1.21 megohms; tols. B, D, F; life failure rates C, M, P, R, S | HDN-55, HDN-55-65 | 55182-052-96; 55182-118-95; 55182-121-96; 55182-134-95; 55182-158-96; 55182-222-94; 55182-237-93 | /1 | Vishay Angstrohm |
| RNR55 Chars. H, J; res. values 10 ohms thru 2 megohms; tols. B, D, F; life failure rates M, P, R, S | ERC-55, ERC-55-65 | 55182-304-87; 55182-438-81 | /1 | Vishay Dale (Columbus, NE) |
| RNR55 Chars. K; res. values 10 ohms thru 2 megohms; tols. D, F; life failure rates M, P, R, S | ERC-55, ERC-55-65 | 55182-304-87; 55182-438-81 | /1 | Vishay Dale (Columbus, NE) |
| RNR56 Chars. H, J; res. values 10 ohms thru 1.21 megohms; tols. B, D, F; life failure rates M, P, R, S | ERC-55-91 | 55182-590-82 | /12 | Vishay Dale (Columbus, NE) |
| RNR56 Chars. H, J; res. values 10 ohms thru 1.21 megohms; tols. D, F; life failure rates M, P, R, S | ERC-55-91 | 55182-590-82 | /12 | Vishay Dale (Columbus, NE) |
| RNR57 Chars. C, E; res. values 49.9 ohms thru 200 kilohms; tols. F; life failure rates C, M, P, R, S | HDN-57, HDN-57-1 | 55182-026-97; 55182-117-95; 55182-121-96 | /2 | Vishay Angstrohm |

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| RNR60 Chars. H, J, K; res. values 2 megohms thru 3.01 megohms; tols. D, F; life failure rates C, M | ERC-55-200, ERC-55-201 | 55182-542-88; 55182-94-88 | /3 | Vishay Dale (Columbus, NE) |
| RNR60 Chars. H, J, K; res. values 10 ohms thru 2 megohms; tols. B, D, F; life failure rates C, M, P, R, S | ERC-55-200, ERC-55-201 | 55182-542-88; 55182-94-88 | /3 | Vishay Dale (Columbus, NE) |
| RNR65 Chars. C, E; res. values 24.9 ohms thru 4.99 megohms; tols. B, D, F; life failure rates C, M, P | HDN-65, HDN-65-65 | 55182-050-99; 55182-071-97; 55182-124-96; 55182-162-99 | /5 | Vishay Angstrohm |
| RNR65 Chars. H, J; res. values 10 ohms thru 301 kilohms; tols. B, D, F; life failure rates M, P, R | ERC-65, ERC-65-65 | 55182-185-77; 55182-304-87 | /5 | Vishay Dale (Columbus, NE) |
| RNR65 Chars. K; res. values 10 ohms thru 301 kilohms; tols. D, F; life failure rates M, P, R | ERC-65, ERC-65-65 | 55182-185-77; 55182-304-87 | /5 | Vishay Dale (Columbus, NE) |
| RNR70 Chars. C, E; res. values 24.9 ohms thru 4.99 megohms; tols. B, D, F; life failure rates C, M, P | HDN-70, HDN-70-4 | 55182-050-99; 55182-071-97; 55182-124-96 | /6 | Vishay Angstrohm |
| RNR70 Chars. K; res. values 10 ohms thru 3.01 megohms; tols. D, F; life failure rates M, P, R | ERC-70, ERC-70-4 | 55182-304-87; 55182-506-86 | /6 | Vishay Dale (Columbus, NE) |
| RNR70 Chars. H, J; res. values 10 ohms thru 3.01 megohms; tols. B, D, F; life failure rates M, P, R | ERC-70, ERC-70-4 | 55182-304-87; 55182-506-86 | /6 | Vishay Dale (Columbus, NE) |
| RNR75 Chars. E, J; res. values 49.9 ohms thru 1.21 megohms; tols. B, D, F; life failure rates C, M | HDN-75, HDN-75-1 | 55182-033-98; 55182-050-99 | /10 | Vishay Angstrohm |

Manufacturer and Supplier Location Information

Manufacturer: Vishay Angstrom (CAGE Code: 17745)

Location: P.O. Box 609, 1122 23rd Street, Columbus, NE 68602-0609, US

Plants:

1. Plant: Same Address as Manufacturer

Manufacturer: Vishay Dale Electronics, Inc. (CAGE Code: 91637)

Location: P.O. Box 609, 1122 23rd Street, Columbus, NE 68602-0609, US

Plants:

1. Plant: Same Address as Manufacturer
2. Vishay Dale (Norfolk, NE), 2300 Riverside Blvd., Norfolk, NE US

Manufacturer: Vishay Precision Group, Inc. (CAGE Code: 658E7)

Location: 3 Great Valley Parkway, Suite 150, Malvern, PA 19355-1417, US

Plants:

1. Vishay Advanced Technologies, Inc., CAGE: S8016, 2 Haofan Street, Holon 58814, Israel

Manufacturer: Wilbrecht LEDCO, Inc. (CAGE Code: 0KUU5)

Location: 1400 Energy Park Drive, Suite 18, St. Paul, MN 55108-5248, US

Plants:

1. 155 Waibel Drive, NE, Huron, SD 57350, US