

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

Date: 9/4/2012

**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)
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**Part 1**

<b>RNC50</b> 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)
<b>RNC50</b> 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)
<b>RNC51</b> 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)
<b>RNC51</b> 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)
<b>RNC55</b> 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)
<b>RNC55</b> 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)
<b>RNC56</b> 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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<b>RNC56</b> 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)
<b>RNC60</b> 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)
<b>RNC60</b> 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)
<b>RNC65</b> 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)
<b>RNC65</b> 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)
<b>RNC70</b> 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)
<b>RNC70</b> 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)
<b>RNC90</b> 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.
<b>RNC90</b> 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.
<b>RNC90</b> 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.
<b>RNC90</b> 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.
<b>RNC90</b> 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.
<b>RNC90</b> 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.
<b>RNN55</b> 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

**PART LISTINGS**

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<b>Part 1</b>				
<b>RNN57</b> 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
<b>RNN60</b> 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
<b>RNN65</b> 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
<b>RNN70</b> 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
<b>RNN75</b> 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
<b>RNR50</b> 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)
<b>RNR50</b> 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)
<b>RNR51</b> 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)
<b>RNR51</b> 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)
<b>RNR55</b> 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
<b>RNR55</b> 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)
<b>RNR55</b> 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)
<b>RNR56</b> 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)
<b>RNR56</b> 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)
<b>RNR57</b> 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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<b>RNR60</b> 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)
<b>RNR60</b> 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)
<b>RNR65</b> 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
<b>RNR65</b> 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)
<b>RNR65</b> 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)
<b>RNR70</b> 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
<b>RNR70</b> 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)
<b>RNR70</b> 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)
<b>RNR75</b> 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

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**Manufacturer and Supplier Location Information**

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**Manufacturer: Vishay Angstrohm (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