QUALIFICATIONS VALIDATED
SEMIANNUALLY

QPL-83401-80
10 May 1998
SUPERSEDING
QPL-83401-79
27 October 1997

QUALIFIED PRODUCTS LIST

OF

PRODUCTS QUALIFIED UNDER MILITARY SPECIFICATION

MIL-PRF-83401

RESISTOR NETWORKS, FIXED, FILM, AND CAPACITOR-RESISTOR NETWORKS,

CERAMIC CAPACITOR AND FIXED FILM RESISTORS,

GENERAL SPECIFICATION FOR

This list has been prepared for use by or for the Government in the acquisition of products covered by subject specification and such listing of a product is not intended to and does not connote indorsement of the product by the Department of Defense. All products listed herein have been qualified under the requirements for the product as specified in the latest effective issue of the applicable specification. This list is subject to change without notice; revision or amendment of this list will be issued as necessary. The listing of a product does not release the supplier from compliance with the specification requirements.

THE ACTIVITY RESPONSIBLE FOR THIS QPL IS THE DEFENSE SUPPLY CENTER COLUMBUS (DSCC-VQ), COLUMBUS, OH 43216-5000.

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	DETAIL SPECIFICATION	MANUFACTURER'S NAME (ADDRESS ON LAST PAGE)
PART I				
M8340101 C8340101 Chars. K and M, schematics A and B, res. values 10 ohms thru 1.000 megohm, res. tols. F, G and J.	MDM-14-01 MDC-14-01 MDM-14-03 MDC-14-03	83401-535-91 83401-45-94	/1	Dale Electronics, Inc. (1)
M8340101 C8340101 Chars. K and M, schematic J, res. designators A001 thru A018, res. tols. F, G and J.	MDM-14-05 MDC-14-05	83401-170-92	/1	Dale Electronics, Inc. (1)
M8340101 Chars. K and M, schematics A and B, res. values 27.4 ohms thru 100,000 ohms, res. tols. F. G, and J, res. values 27.0 ohms thru 100,000 ohms, res. tols. G and J.	14D	83401-930-82	/1	Dale Electronics, Inc. Techno Division
M8340101 C8340101 Chars. H, K, and M, schematic A, res. values 100 ohms thru 0.1 megohm, res. tols. B, D, F, G, J. Chars. H, K, and M, schematic B, res. values 50 ohms thru 70,000 ohms, res. tols. B, D, F, G, J.	1989 1987	83401-146-81	/1	IRC, Inc.
M8340101 C8340101 Chars. C and V, schematic A, res. values 100 ohms thru 10,000 ohms, res. tols. B, D, F, G, and J.	1445	83401-403-85 83401-892-87	/1	Vishay Resistive Systems Group, Inc. (1, 2)

DISTRIBUTION STATEMENT A . Approved for public release; distribution is unlimited.

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	PART I			
M8340102 C8340102 Chars. K and M, schematics A and B, res. values 10 ohms thru 1.000 megohm, res. tols. F, G and J.	MDM-16-01 MDC-16-01 MDM-16-03 MDC-16-03	83401-535-91 83401-45-94	/2	Dale Electronics, Inc. (1)
M8340102 C8340102 Chars. K and M, schematic J, res. designators A001 thru A018, res. tols. F, G, and J.	MDM-16-05 MDC-16-05	83401-170-92	/2	Dale Electronics, Inc. (1)
M8340102 Chars. K and M, schematics A and B, res. values 27.4 ohms thru 100,000 ohms, res. tols. F, G, and J, res. values 27.0 ohms thru 100,000 ohms, res. tols. G and J.	16D	83401-930-82	/2	Dale Electronics, Inc. Techno Division
M8340102 C8340102 Chars. H, K and M, schematic A, res. values 100 ohms thru 0.1 megohm, res. tols. B, D, F, G and J. Chars. H, K, and M, schematic B, res. values 50 ohms thru 70,000 ohms, res. tols. B, D, F, G and J.	1999 1998	83401-146-81	/2	IRC, Inc.
M8340102 C8340102 Chars. C and V, schematic A, res. values 100 ohms thru 10,000 ohms, res. tols. B, D, F, G and J.	1446	83401-403-85 83401-892-87	/2	Vishay Resistive Systems Group, Inc. (1, 2)
M8340103 Chars. K and M, schematics A and B, res. values 10 ohms thru 1.0 megohm, res. tols. F, G, and J.	DFM-1412 DFM-1411	83401-536-91 83401-58-97	/3	Dale Electronics, Inc. (1, 2)
M340103 Chars. K and M, schematic J, res. designators A001 thru A018, res. tols. F, G and J.	DFM-14-15RC	83401-108-92 83401-58-97	/3	Dale Electronics, Inc. (1, 2)
M8340103 C8340103 Chars. H, K, and M, schematics A and B, res. values 100 ohms thru 100,000 ohms, res. tols. B, D, F, G, and J. Chars. H and K, schematics A and B, res. values 100 ohms thru 121,000 ohms, res. tols. F, G and J. Char. M, schematics A and B, res. values 49.9 ohms thru 121,000 ohms, res. tols. F, G and J.	8987 8989	83401-1008-83	/3	IRC, Inc.
M8340104 C8340104 Chars. K and M, schematics C and G, res. values 10 ohms thru 1.0 megohm, schematic H, res. designators A001 thru A018, res. tols. F, G and J.	MSM06C-01 MSC06C-01 MSM06C-03 MSC06C-03	83401-109-92	/4	Dale Electronics, Inc. (1)
M8340104 C8340104 Chars. K and M, schematics C and G, res. values 10 ohms thru 1.0 megohm, res. tols. F, G and J.	MSM06C-01 MSC06C-01 MSM06C-03 MSC06C-03	83401-59-97	/4	Dale Electronics, Inc. (2)
M8340104 C8340104 Chars. K and M, schematic H, designators A001 thru A018, res. tols. F, G and J.	MSM06C-05 MSC06C-05	83401-59-97	/4	Dale Electronics, Inc. (2)
M8340104 Char. K and M, schematics C and G, res. values 100 ohms thru 100,000 ohms, res. tols. F, G and J.	6S	83401-544-80	/4	Dale Electronics, Inc. Techno Division

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	PART I			
M8340105 C8340105 Chars. K and M, schematics C and G, res. values 10 ohms thru 1.0 megohm, schematic H, res. designators A001 thru A018, res. tols. F, G and J.	MSM08C-01 MSC08C-01 MSM08C-03 MSC08C-03 MSM08C-05 MSC08C-05	83401-109-92	/5	Dale Electronics, Inc. (1)
M8340105 C8340105 Chars. K and M, schematics C and G, res. values 10 ohms thru 1.0 megohm, res. tols. F, G and J.	MSM08C-01 MSC08C-01 MSM08C-03 MSC08C-03	83401-59-97	/5	Dale Electronics, Inc. (2)
M8340105 C8340105 Chars. K and M, schematic H, designators A001 thru A018, res. tols. F, G and J.	MSM08C-05 MSC08C-05	83401-59-97	/5	Dale Electronics, Inc. (2)
M8340105 Char. K and M, schematics C and G, res. values 100 ohms thru 100,000 ohms, res. tols. F, G and J.	8S	83401-544-80	/5	Dale Electronics, Inc. Techno Division
M8340106 C8340106 Chars. K and M, schematics C and G, res. values 10 ohms thru 1.0 megohms, res. tols. F, G and J.	MSM10C-01 MSC10C-01 MSM10C-03 MSC10C-03	83401-109-92	/6	Dale Electronics, Inc. (1)
M8340106 M8340106 Chars. K and M, schematic H, res. designators A001 thru A018, res. tols. F, G, and J.	MSM10C-05 MSC10C-05	83401-408-84	/6	Dale Electronics, Inc. (1)
M8340106 C8340106 Chars. K and M, schematics C and G, res. values 10 ohms thru 1.0 megohm, res. tols. F, G and J.	MSM10C-01 MSC10C-01 MSM10C-03 MSC10C-03	83401-59-97	/6	Dale Electronics, Inc. (2)
M8340106 C8340106 Chars. K and M, schematic H, designators A001 thru A020, res. tols. F, G and J.	MSM10C-05 MSC10C-05	83401-59-97	/6	Dale Electronics, Inc. (2)
M8340106 Chars. K and M, schematics C and G, res. values 100 ohms thru 100,000 ohms, res. tols. F, G and J.	10S	83401-544-80	/6	Dale Electronics, Inc. Techno Division
M8340107 C8340107 Chars. K and M, schematics C and G, res. values 10 ohms thru 1.0 megohm, res. tols. F, G and J.	MSM06A-01 MSC06A-01 MSM06A-03 MSC06A-03	83401-60-97	/7	Dale Electronics, Inc. (2)
M8340107 M8340107 Chars. K and M, schematic H, res. designators A001 thru A018, res. tols. F, G and J.	MSM06A-05 MSC06A-05	83401-60-97	/7	Dale Electronics, Inc. (2)
M8340107 Chars. K and M, schematics C and G, res. values 27 ohms thru 100,000 ohms, res. tols. F, G and J.	6L	83401-134-83	/7	Dale Electronics, Inc. Techno Division
M8340107 C8340107 Chars. H, K and M, schematics C and G, res. values 100 ohms thru 100,000 ohms, res. tols. B, D, F, G and J.	4761 4769	83401-693-83 83401-1484-85	/7	IRC, Inc.

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	PART I			
M8340108 C8340108 Chars. K and M, schematics C and G, res. values 10 ohms thru 1.0 megohm, res. tols. F, G and J.	MSM08A-01 MSC08A-01 MSM08A-03 MSC08A-03	83401-60-97	/8	Dale Electronics, Inc. (2)
M8340108 C8340108 Chars. K and M, schematic H, res. designators A001 thru A018, res. tols. F, G and J.	MSM08A-05 MSC08A-05	83401-60-97	/8	Dale Electronics, Inc. (2)
M8340108 Chars. K and M, schematics C and G, res. values 27 ohms thru 100,000 ohms, res. tols. F, G and J.	8L	83401-134-83	/8	Dale Electronics, Inc. Techno Division
M8340108 C8340108 Chars. H, K and M, schematics C and G, res. values 100 ohms thru 100,000 ohms, res. tols. B, D, F, G and J.	4781 4789	83401-693-83 83401-1484-85	/8	IRC, Inc.
M8340109 C8340109 Chars. K and M, schematics C and G, res. values 10 ohms thru 1.0 megohm, res. tols. F, G and J.	MSM10A-01 MSC10A-01 MSM10A-03 MSC10A-03	83401-60-97	/9	Dale Electronics, Inc. (2)
M8340109 C8340109 Chars. K and M, schematic H, res. designators A001 thru A020, res. tols. F, G and J.	MSM10A-05 MSC10A-05	83401-60-97	/9	Dale Electronics, Inc. (2)
M8340109 Chars. K and M, schematics C and G, res. values 27 ohms thru 100,000 ohms, res. tols. F, G and J.	10L	83401-134-83	/9	Dale Electronics, Inc. Techno Division
M8340109 C8340109 Chars. H, K and M, schematics C and G, res. values 100 ohms thru 100,000 ohms, res. tols. B, D, F, G, and J.	4701 4709	83401-693-83 83401-1484-85	/9	IRC, Inc.
M8340110 C8340110 Chars. H, K and M, schematics A, B and J, res. values 100 ohms thru 100,000 ohms, res. tols. B, D, F, G, and J.	8998	83401-561-88	/10	IRC, Inc.
M8340113 C8340113 Chars. H, K and M, schematic A, res. values 50 ohms thru 0.1 megohm, res. tols. B, D, F, G, and J. Chars. H, K, and M, schematic B, res. values 50 ohms thru 70,000 ohms, res. tols. B, D, F, G, and J.	1989HR 1987HR	83401-1120-85	/13	IRC, Inc.
M8340113 C8340113 Chars. C and V, schematic A, res. values 100 ohms thru 10,000 ohms, res. tols. B, D, F, G, and J.	445Q	83401-403-85 83401-892-87	/13	Vishay Resistive Systems Group, Inc. (1, 2)

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	PART I			
M8340114 C8340114 Chars. H, K and M, schematic A, res. values 50 ohms thru 0.1 megohm, res. tols. B, D, F, G, J. Chars. H, K, and M, schematic B, res. values 50 ohms thru 70,000 ohms, res. tols. B, D, F, G, J.	1999HR 1998HR	83401-1120-85	/14	IRC, Inc.
M8340114 C8340114 Chars. C and V, schematic A, res. values 100 ohms thru 10,000 ohms, res. tols. B, D, F, G, J.	1446Q	83401-403-85 83401-892-87	/14	Vishay Resistive Systems Group, Inc. (1, 2)
M8340115 C8340115 Chars. H, K and M, schematics A and B, res. values 100 ohms thru 100,000 ohms, res. tols. F, G and J. Chars. H and K, schematics A and B, res. values 100 ohms thru 121,000 ohms, res. tols. F, G, and J. Char. M, schematics A and B, res. values 49.9 ohms thru 121,000 ohms, res. tols. F, G, and J.	8989HR 8987HR	83401-1008-83	/15	IRC, Inc.
M8340118 Char. K, schematics M8340118KA001GX and M8340118KA002GX, tol. G.	MSM06A-18	83401-110-92	/18	Dale Electronics, Inc. (1)
M8340118 C8340118 Char. K, schematics M8340118KA001GX and M8340118KA002GX, tol. G.	4160 153	83401-693-83	/18	IRC, Inc.
M8340119 Char. K, schematics M8340119KA001GX thru M8340119KA012GX, tol. G.	MSM08A-19	83401-110-92	/19	Dale Electronics, Inc. (1)
M8340119 C8340119 Char. K, schematics M8340119KA001GX thru M8340119KA009GX, tol. G.	4152, 4154, 4155, 4156, 4157, 4159, 4161, 4170, 4171	83401-693-83	/19	IRC, Inc.
M8340121 C8340121 Chars. H, K and M, schematics C and G, res. values 100 ohms thru 100,000 ohms, res. tols. B, D, F, G, J.	4761HR 4769HR	83401-693-83 83401-1484-85	/21	IRC, Inc.
M8340122 C8340122 Chars. H, K and M, schematics C and G, res. values 100 ohms thru 100,000 ohms, res. tols. B, D, F, G, J.	4781HR 4789HR	83401-693-83 83401-1484-85	/22	IRC, Inc.
M8340123 C8340123 Chars. H, K and M, schematics C and G, res. values 100 ohms thru 100,000 ohms, res. tols. B, D, F, G, J.	4701HR 4709HR	83401-693-83 83401-1484-85	/23	IRC, Inc.

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PART II

The foreign-made products listed in Part II of this QPL have been certified by the authorized inspectorate of the foreign government and by the manufacturer, to be manufactured, tested and qualified in conformance with the applicable foreign specification identified with each product. The products listed in Part II have been ascribed by the foreign National Qualifying Activity (NQA) and applicable manufacturer that they are generally suitable for the functional applications ascribed to the U.S.-specified products listed in Part I of the QPL; however, no review has been made by our qualifying acticity of the manufacturing, test facilities or test report. Futhermore, no determination of equivalency has been conducted. User agencies, industrial equipment designers and manufac-turers planning to use the products listed in Part II are wholly responsible for examining and evaluating the applicable foreign specifications, design data, quality/reliability levels and product qualification test data to determine the technical suitability of these products for use in components and equipment specified under the U.S. Department of Defense procurement contracts. Products listed in Part II should not be selected for use in equipments or systems that are beyond the prototype design and development phase.

The products listed herein are reciprocal listings based on the NATO Standardization Agreement (Stanag) 4093 or International Standardization Agreements.

NOTE: No devices are to be JAN branded, but should be marked with the appropriate national part numbers and identifiers, as applicable.

NATIONAL DEVICE SPECIFICATION	NATIONAL QPL	TEST REPORT NUMBER	U.S. NATIONAL DEVICE SPECIFICATION	MANUFACTURER'S NAME AND ADDRESS
BS 9450	PD9002 CA028	UC/31/00246/CA1 UC/31/00246/CA2 UC/31/00246/CA2-1	M8340101 Chars. K and M, schematics A, B, and J, res. values 12 ohms thru 1.0 megohm, res. tols. F and G.	Beckman Industrial, Ltd. Queensway, Glenrothes Fife, Scotland KY7 5PU
BS 9450	PD9002 CA028	UC/31/00246/CA1 UC/31/00246/CA2 UC/31/00246/CA2-1	M8340102 Chars. K and M, schematics A, B, and J, res. values 12 ohms thru 1.0 megohm, res. tols. F and G.	Beckman Industrial, Ltd. Queensway, Glenrothes Fife, Scotland KY7 5PU

MANUFACTURER'S NAME, ADDRESS AND PLANT	CAGE CODE
Dale Electronics, Inc. P.O. Box 609 1122 23rd Street Columbus, NE 68602-0609 Plants: 1. 2300 Riverside Boulevard Norfolk, NE 2. Dale Israel Emek-Sarah "B" Industrial Park Beer-Sheva, Israel	91637
Dale Electronics, Inc. Techno Division 7803 Lemona Avenue Van Nuys, CA 91405-1139 Plant: 7777 Lemona Avenue Van Nuys, CA	17826
IRC, Inc. International Resistive Company 4222 South Staples Corpus Christi, TX 78411 Plant: Same Address	57027
Vishay Resistive Systems Group, Inc. 63 Lincoln Highway Malvern, PA 19355 Plants: 1. Vishay Israel, Ltd. 2 Ha'ofan Street Holon 58125, Israel 2. 63 Lincoln Highway Malvern, PA 19355	18612