**Specification Details:** **Date: 1/26/2011**

Specification: MIL-PRF-83401
Title: Resistor Networks, Fixed, Film and Capacitor-Resistor Networks, Ceramic Capacitor and Fixed Film Resistors
Federal Supply Class (FSC): 5905
Conventional: Yes
Specification contains quality assurance program: No
MIL-STD-790 Established Reliability & High Reliability: No
MIL-STD-690 Failure Rate Sampling Plans & Procedures: No
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: 614-692-0665, e-mail: vqp.go@dla.mil

**Notes:**

N/A

**Part Configuration:**

100 percent burn-in screened network ("M" part number): M8340101H1002JA

| Specification Sheet Number | Characteristic | Resistance | Resistance Tolerance | Schematic |
|---|---|---|---|---|
| M8340101 | H | 1002 | J | A |

Nonburn-in screened network ("C" part number): C8340101H1002JA

| Specification Sheet Number | Characteristic | Resistance | Resistance Tolerance | Schematic |
|---|---|---|---|---|
| C8340101 | H | 1002 | J | A |

**PART LISTINGS**

| GOVERNMENT DESIGNATION | MANUFACTURER'S DESIGNATION OR TYPE NUMBER | TEST OR QUALIFICATION REFERENCE | SPECIFICATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|---|---|---|---|---|
| **C8340101** | | | | |
| Char. H, K, M; schematics A; res. values 100 ohms thru 100 kilohms; tols. B, D, F, G, J | 1987, 1989 | 83401-146-81 | /1 | IRC, Inc. |
| **C8340101** | | | | |
| Char. H, K, M; schematics B; res. values 50 ohms thru 70 kilohms; tols. B, D, F, G, J | 1987, 1989 | 83401-146-81 | /1 | IRC, Inc. |
| **M8340101** | | | | |
| Char. H, K, M; schematics A; res. values 100 ohms thru 100 kilohms; tols. B, D, F, G, J | 1987, 1989 | 83401-146-81 | /1 | IRC, Inc. |
| **M8340101** | | | | |
| Char. H, K, M; schematics B; res. values 50 ohms thru 70 kilohms; tols. B, D, F, G, J | 1987, 1989 | 83401-146-80 | /1 | IRC, Inc. |
| **C8340101** | | | | |
| Char. C; schematics A; res. values 100 ohms thru 1 megohms; tols. B, D, F, G, J | 1445 | 83401-401-85; 83401-892-87 | /1 | Vishay Advanced Technologies, Ltd. |
| **M8340101** | | | | |
| Char. C; schematics A; res. values 100 ohms thru 1 megohms; tols. B, D, F, G, J | 1445 | 83401-403-85; 83401-892-87 | /1 | Vishay Advanced Technologies, Ltd. |
| **C8340101** | | | | |
| Char. K, M; schematics A, B; res. values 10 ohms thru 1 megohms; tols. F, G, J | MDC-14-01, MDC-14-03 | 83401-45-94; 83401-535-91 | /1 | Vishay Dale Electronics, Inc. |
| **C8340101** | | | | |
| Char. K, M; schematics J; res. designators A001 thru A018; tols. F, G, J | MDC-14-05 | 83401-170-92 | /1 | Vishay Dale Electronics, Inc. |
| **M8340101** | | | | |
| Char. K, M; schematics A, B; res. values 10 ohms thru 1 megohms; tols. F, G, J | MDM-14-01, MDM-14-03 | 83401-45-94; 83401-535-91 | /1 | Vishay Dale Electronics, Inc. |

| GOVERNMENT DESIGNATION | MANUFACTURER'S DESIGNATION OR TYPE NUMBER | TEST OR QUALIFICATION REFERENCE | SPECIFI-CATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|---|---|---|---|---|
| **M8340101** | | | | |
| Char. K, M; schematics J; res. designators A001 thru A018; tols. F, G, J | MDM-14-05 | 83401-170-92 | /1 | Vishay Dale Electronics, Inc. |
| **C8340102** | | | | |
| Char. H, K, M; schematics A; res. values 100 ohms thru 1 megohms; tols. B, D, F, G, J | 1998, 1999 | 83401-146-81 | /2 | IRC, Inc. |
| **C8340102** | | | | |
| Char. H, K, M; schematics B; res. values 50 ohms thru 70 kilohms; tols. B, D, F, G, J | 1998, 1999 | 83401-146-81 | /2 | IRC, Inc. |
| **M8340102** | | | | |
| Char. H, K, M; schematics A; res. values 100 ohms thru 1 megohms; tols. B, D, F, G, J | 1998, 1999 | 83401-146-81 | /2 | IRC, Inc. |
| **M8340102** | | | | |
| Char. H, K, M; schematics B; res. values 50 ohms thru 70 kilohms; tols. B, D, F, G, J | 1998, 1999 | 83401-146-84 | /2 | IRC, Inc. |
| **C8340102** | | | | |
| Char. C; schematics A; res. values 100 ohms thru 10 kilohms; tols. B, D, F, G, J | 1446 | 83401-403-85; 83401-892-87 | /2 | Vishay Advanced Technologies, Ltd. |
| **M8340102** | | | | |
| Char. C; schematics A; res. values 100 ohms thru 10 kilohms; tols. B, D, F, G, J | 1446 | 83401-403-85; 83401-892-87 | /2 | Vishay Advanced Technologies, Ltd. |
| **C8340102** | | | | |
| Char. K, M; schematics A, B; res. values 10 ohms thru 1 megohms; tols. F, G, J | MDC-16-01, MDC-16-03 | 83401-45-94; 83401-535-91 | /2 | Vishay Dale Electronics, Inc. |
| **C8340102** | | | | |
| Char. K, M; schematics J; res. designators A001 thru A018; tols. F, G, J | MDC-16-05 | 83401-170-92 | /2 | Vishay Dale Electronics, Inc. |
| **M8340102** | | | | |
| Char. K, M; schematics A, B; res. values 10 ohms thru 1 megohms; tols. F, G, J | MDM-16-01, MDM-16-03 | 83401-45-94; 83401-535-91 | /2 | Vishay Dale Electronics, Inc. |
| **M8340102** | | | | |
| Char. K, M; schematics J; res. designators A001 thru A018; tols. F, G, J | MDM-16-05 | 83401-170-92 | /2 | Vishay Dale Electronics, Inc. |
| **C8340103** | | | | |
| Char. H, K, M; schematics A, B; res. values 100 ohms thru 100 kilohms; tols. B, D, F, G, J | 8987, 8989 | 83401-1008-83; 83401-1079-04 | /3 | IRC, Inc. |
| **C8340103** | | | | |
| Char. H; schematics A, B; res. values 100 ohms thru 121 kilohms; tols. F, G, J | 8987, 8989 | 83401-1008-83; 83401-1079-04 | /3 | IRC, Inc. |
| **C8340103** | | | | |
| Char. K, M; schematics A, B; res. values 20 ohms thru 121 kilohms; tols. F, G, J | 8987, 8989 | 83401-1008-83; 83401-1079-04 | /3 | IRC, Inc. |
| **M8340103** | | | | |
| Char. H, K, M; schematics A, B; res. values 100 ohms thru 100 kilohms; tols. B, D, F, G, J | 8987, 8989 | 83401-1008-83; 83401-1079-04 | /3 | IRC, Inc. |
| **M8340103** | | | | |
| Char. H; schematics A, B; res. values 100 ohms thru 121 kilohms; tols. F, G, J | 8987, 8989 | 83401-1008-83; 83401-1079-04 | /3 | IRC, Inc. |
| **M8340103** | | | | |
| Char. K, M; schematics A, B; res. values 20 ohms thru 121 kilohms; tols. F, G, J | 8987, 8989 | 83401-1008-83; 83401-1079-04 | /3 | IRC, Inc. |
| **M8340103** | | | | |
| Char. K, M; schematics A, B; res. values 10 ohms thru 1 megohms; tols. F, G, J | DFM-1411, DFM-1412 | 83401-58-97; 83401-836-91 | /3 | Vishay Dale Electronics, Inc. |
| **M8340103** | | | | |
| Char. K, M; schematics J; res. designators A001 thru A018; tols. F, G, J | DFM-1415 | 83401-58-97; 83401-836-91 | /3 | Vishay Dale Electronics, Inc. |
| **C8340104** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSC06C-01, MSC06C-03 | 83401-109-92 | /4 | Vishay Dale Electronics, Inc. |

| GOVERNMENT DESIGNATION | MANUFACTURER'S DESIGNATION OR TYPE NUMBER | TEST OR QUALIFICATION REFERENCE | SPECIFI-CATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|---|---|---|---|---|
| **M8340104** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSM06C-01, MSM06C-03 | 83401-109-92 | /4 | Vishay Dale Electronics, Inc. |
| **M8340104** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A018; tols. F, G, J | MSM06C-05 | 83401-109-92 | /4 | Vishay Dale Electronics, Inc. |
| **C8340104** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A018; tols. F, G, J | MSC06C-05 | 83401-59-97 | /4 | Vishay Isarel, Ltd. |
| **C8340104** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSC06C-01, MSC06C-03 | 83401-59-97 | /4 | Vishay Israel, Ltd. |
| **M8340104** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSM06C-01, MSM06C-03 | 83401-59-97 | /4 | Vishay Israel, Ltd. |
| **M8340104** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A018; tols. F, G, J | MSM06C-05 | 83401-59-97 | /4 | Vishay Israel, Ltd. |
| **C8340104** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A018; tols. F, G, J | MSC06C-05 | 83401-109-92 | /4 | Vishay Resistive Systems Group, Inc. |
| **C8340105** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSC08C-01, MSC08C-03 | 83401-109-92 | /5 | Vishay Dale Electronics, Inc. |
| **C8340105** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A018; tols. F, G, J | MSC08C-05 | 83401-109-92 | /5 | Vishay Dale Electronics, Inc. |
| **M8340105** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSM08C-01, MSM08C-03 | 83401-109-92 | /5 | Vishay Dale Electronics, Inc. |
| **M8340105** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A018; tols. F, G, J | MSM08C-05 | 83401-109-92 | /5 | Vishay Dale Electronics, Inc. |
| **C8340105** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSC08C-01, MSC08C-03 | 83401-59-97 | /5 | Vishay Israel, Ltd. |
| **C8340105** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A018; tols. F, G, J | MSC08C-05 | 83401-59-97 | /5 | Vishay Israel, Ltd. |
| **M8340105** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSM08C-01, MSM08C-03 | 83401-59-97 | /5 | Vishay Israel, Ltd. |
| **M8340105** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A018; tols. F, G, J | MSM08C-05, MSM08C-05 | 83401-59-97 | /5 | Vishay Israel, Ltd. |
| **C8340106** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSC10C-01, MSC10C-03, MSM10C-01, MSM10C-03 | 83401-109-92 | /6 | Vishay Dale Electronics, Inc. |
| **C8340106** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A018; tols. F, G, J | MSC10C-05, MSM10C-05 | 83401-408-84 | /6 | Vishay Dale Electronics, Inc. |
| **M8340106** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSC10C-01, MSC10C-03, MSM10C-01, MSM10C-03 | 83401-109-92 | /6 | Vishay Dale Electronics, Inc. |
| **M8340106** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A018; tols. F, G, J | MSC10C-05, MSM10C-05 | 83401-408-84 | /6 | Vishay Dale Electronics, Inc. |

| GOVERNMENT DESIGNATION | MANUFACTURER'S DESIGNATION OR TYPE NUMBER | TEST OR QUALIFICATION REFERENCE | SPECIFI-CATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|---|---|---|---|---|
| **C8340106** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSC10C-01, MSC10C-03 | 83401-59-97 | /6 | Vishay Israel, Ltd. |
| **C8340106** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A018; tols. F, G, J | MSC10C-05 | 83401-59-97 | /6 | Vishay Israel, Ltd. |
| **M8340106** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSM10C-01, MSM10C-03 | 83401-59-97 | /6 | Vishay Israel, Ltd. |
| **M8340106** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A018; tols. F, G, J | MSM10C-05 | 83401-59-97 | /6 | Vishay Israel, Ltd. |
| **C8340107** | | | | |
| Char. H, K, M; schematics C, G; res. values 100 ohms thru 100 kilohms; tols. B, D, F, G, J | 4761, 4769 | 83401-1484-85; 83401-693-83 | /7 | IRC, Inc. |
| **M8340107** | | | | |
| Char. H, K, M; schematics C, G; res. values 100 ohms thru 100 kilohms; tols. B, D, F, G, J | 4761, 4769 | 83401-1484-85; 83401-693-83 | /7 | IRC, Inc. |
| **C8340107** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSC06A-01, MSC06A-03 | 83401-60-97 | /7 | Vishay Dale Electronics, Inc. |
| **C8340107** | | | | |
| Char. K, M; schematics C, G; res. designators A001 thru A018; tols. F, G, J | MSC06A-05 | 83401-60-97 | /7 | Vishay Dale Electronics, Inc. |
| **M8340107** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A018; tols. F, G, J | MSM06A-05 | 83401-60-97 | /7 | Vishay Dale Electronics, Inc. |
| **M8340107** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSM06A-01, MSM06A-03 | 83401-60-97 | /7 | Vishay Dale Electronics, Inc. |
| **C8340107** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSC06A-01, MSC06A-03 | 83401-60-97 | /7 | Vishay Israel, Ltd. |
| **C8340107** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A018; tols. F, G, J | MSC06A-05 | 83401-60-97 | /7 | Vishay Israel, Ltd. |
| **M8340107** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSM06A-01, MSM06A-03 | 83401-60-97 | /7 | Vishay Israel, Ltd. |
| **M8340107** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A018; tols. F, G, J | MSM06A-05 | 83401-60-97 | /7 | Vishay Israel, Ltd. |
| **C8340108** | | | | |
| Char. H, K, M; schematics C, G; res. values 100 ohms thru 100 kilohms; tols. B, D, F, G, J | 4781, 4789 | 83401-1484-85; 83401-693-83 | /8 | IRC, Inc. |
| **M8340108** | | | | |
| Char. H, K, M; schematics C, G; res. values 100 ohms thru 100 kilohms; tols. B, D, F, G, J | 4781, 4789 | 83401-1484-85; 83401-693-83 | /8 | IRC, Inc. |
| **C8340108** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSC08A-01, MSC08A-03 | 83401-60-97 | /8 | Vishay Dale Electronics, Inc. |
| **C8340108** | | | | |
| Char. K, M; schematics H, ; res. designators A001 thru A018; tols. F, G, J | MSC08A-05, | 83401-60-97 | /8 | Vishay Dale Electronics, Inc. |
| **M8340108** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSM08A-01, MSM08A-03 | 83401-60-97 | /8 | Vishay Dale Electronics, Inc. |
| **M8340108** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A018; tols. F, G, J | MSM08A-05 | 83401-60-97 | /8 | Vishay Dale Electronics, Inc. |

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| **C8340108** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSC08A-01, MSC08A-03 | 83401-60-97 | /8 | Vishay Israel, Ltd. |
| **C8340108** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A018; tols. F, G, J | MSC08A-05 | 83401-60-97 | /8 | Vishay Israel, Ltd. |
| **M8340108** | | | | |
| Char. K, M, ; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSM08A-01, MSM08A-03 | 83401-60-97 | /8 | Vishay Israel, Ltd. |
| **M8340108** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A018; tols. F, G, J | MSM08A-05 | 83401-60-97 | /8 | Vishay Israel, Ltd. |
| **C8340109** | | | | |
| Char. H, K, M; schematics C, G; res. values 100 ohms thru 100 kilohms; tols. B, D, F, G, J | 4701, 4709 | 83401-1484-85; 83401-693-01 | /9 | IRC, Inc. |
| **M8340109** | | | | |
| Char. H, K, M; schematics C, G; res. values 100 ohms thru 100 kilohms; tols. B, D, F, G, J | 4701, 4709 | 83401-1484-85; 83401-693-83 | /9 | IRC, Inc. |
| **C8340109** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A020; tols. F, G, J | MSC10A-05 | 83401-60-97 | /9 | Vishay Dale Electronics, Inc. |
| **C8340109** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSC10A-01, MSC10A-03 | 83401-60-97 | /9 | Vishay Dale Electronics, Inc. |
| **M8340109** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSM10A-01, MSM10A-03 | 83401-60-97 | /9 | Vishay Dale Electronics, Inc. |
| **M8340109** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A020; tols. F, G, J | MSM10A-05 | 83401-60-97 | /9 | Vishay Dale Electronics, Inc. |
| **C8340109** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSC10A-01, MSC10A-03 | 83401-60-97 | /9 | Vishay Israel, Ltd. |
| **C8340109** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A020; tols. F, G, J | MSC10A-05 | 83401-60-97 | /9 | Vishay Israel, Ltd. |
| **M8340109** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSM10A-01, MSM10A-03 | 53401-60-97 | /9 | Vishay Israel, Ltd. |
| **M8340109** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A020; tols. F, G, J | MSM10A-05 | 83401-60-97 | /9 | Vishay Israel, Ltd. |
| **C8340110** | | | | |
| Char. H, K, M; schematics A, B, J; res. values 100 ohms thru 100 kilohms; tols. B, D, F, G, J | 8998 | 83401-561-88 | /10 | IRC, Inc. |
| **M8340110** | | | | |
| Char. H, K, M; schematics A, B, J; res. values 100 ohms thru 100 kilohms; tols. B, D, F, G, J | 8998 | 83401-561-88 | /10 | IRC, Inc. |
| **C8340113** | | | | |
| Char. H, K, M; schematics A; res. values 50 ohms thru 1 megohms; tols. B, D, F | 1987HR, 1989HR | 83401-1120-85 | /13 | IRC, Inc. |
| **C8340113** | | | | |
| Char. H, K, M; schematics B; res. values 50 ohms thru 70 kilohms; tols. B, D, F, G, J | 1987HR, 1989HR | 83401-1120-85 | /13 | IRC, Inc. |
| **M8340113** | | | | |
| Char. H, K, M; schematics A; res. values 50 ohms thru 1 megohms; tols. B, D, F | 1987HR, 1989HR | 83401-1120-85 | /13 | IRC, Inc. |
| **M8340113** | | | | |
| Char. H, K, M; schematics B; res. values 50 ohms thru 70 kilohms; tols. B, D, F, G, J | 1987HR, 1989HR | 83401-1120-85 | /13 | IRC, Inc. |

| GOVERNMENT DESIGNATION | MANUFACTURER'S DESIGNATION OR TYPE NUMBER | TEST OR QUALIFICATION REFERENCE | SPECIFI-CATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|---|---|---|---|---|
| **C8340114** | | | | |
| Char. H, K, M; schematics A; res. values 50 ohms thru 100 kilohms; tols. B, D, F, G, J | 1998HR, 1999HR | 83401-1120-85 | /14 | IRC, Inc. |
| **C8340114** | | | | |
| Char. H, K, M; schematics B; res. values 50 ohms thru 70 kilohms; tols. B, D, F, G, J | 1998HR, 1999HR | 83401-1120-85 | /14 | IRC, Inc. |
| **M8340114** | | | | |
| Char. H, K, M; schematics A; res. values 50 ohms thru 100 kilohms; tols. B, D, F, G, J | 1998HR, 1999HR | 83401-1120-85 | /14 | IRC, Inc. |
| **M8340114** | | | | |
| Char. H, K, M; schematics B; res. values 50 ohms thru 70 kilohms; tols. B, D, F, G, J | 1998HR, 1999HR | 83401-1120-85 | /14 | IRC, Inc. |
| **C8340115** | | | | |
| Char. H, K, M; schematics A, B; res. values 100 ohms thru 100 kilohms; tols. F, G, J | 8987HR, 8989HR | 83401-1008-83 | /15 | IRC, Inc. |
| **C8340115** | | | | |
| Char. H, K; schematics A, B; res. values 100 ohms thru 121 kilohms; tols. F, G, J | 8987HR, 8989HR | 83401-1008-83 | /15 | IRC, Inc. |
| **C8340115** | | | | |
| Char. M; schematics A, B; res. values 49.9 ohms thru 121 kilohms; tols. F, G, J | 8987HR, 8989HR | 83401-1008-83 | /15 | IRC, Inc. |
| **M8340115** | | | | |
| Char. H, K, M; schematics A, B; res. values 100 ohms thru 100 kilohms; tols. F, G, J | 8987HR, 8989HR | 83401-1008-83 | /15 | IRC, Inc. |
| **M8340115** | | | | |
| Char. H, K; schematics A, B; res. values 100 ohms thru 121 kilohms; tols. F, G, J | 8987HR, 8989HR | 83401-1008-83 | /15 | IRC, Inc. |
| **M8340115** | | | | |
| Char. M; schematics A, B; res. values 49.9 ohms thru 121 kilohms; tols. F, G, J | 8987HR, 8989HR | 83401-1008-83 | /15 | IRC, Inc. |
| **C8340118** | | | | |
| Char. K; schematics X; res. designators A001 thru A002; tols. G | 153, 4160 | 83401-693-83 | /18 | IRC, Inc. |
| **M8340118** | | | | |
| Char. K; schematics X; res. designators A001 thru A002; tols. G | 153, 4160 | 83401-693-83 | /18 | IRC, Inc. |
| **M8340118** | | | | |
| Char. K; schematics X; res. designators A001 thru A002; tols. G | MSM06A-18 | 83401-110-92 | /18 | Vishay Dale Electronics, Inc. |
| **C8340119** | | | | |
| Char. K; schematics X; res. designators A001 thru A009; tols. G | 4152, 4154, 4155, 4156, 4157, 4159, 4161, 4170, 4171 | 83401-693-83 | /19 | IRC, Inc. |
| **M8340119** | | | | |
| Char. K; schematics X; res. designators A001 thru A009; tols. G | 4152, 4154, 4155, 4156, 4157, 4159, 4161, 4170, 4171 | 83401-110-92 | /19 | IRC, Inc. |
| **M8340119** | | | | |
| Char. K; schematics X; res. designators A001 thru A012; tols. G | MSM08A-19 | 83401-110-92 | /19 | Vishay Dale Electronics, Inc. |
| **C8340121** | | | | |
| Char. H, K, M; schematics C, G; res. values 100 ohms thru 100 kilohms; tols. B, D, F, G, J | 4761HR, 4769HR | 83401-1484-85; 83401-693-83 | /21 | IRC, Inc. |
| **M8340121** | | | | |
| Char. H, K, M; schematics C, G; res. values 100 ohms thru 100 kilohms; tols. B, D, F, G, J | 4761HR, 4769HR | 83401-1484-85; 83401-693-83 | /21 | IRC, Inc. |
| **C8340122** | | | | |
| Char. H, K, M; schematics C, G; res. values 100 ohms thru 100 kilohms; tols. B, D, F, G, J | 4781HR, 4789HR | 83401-1484-85; 83401-693-83 | /22 | IRC, Inc. |

| GOVERNMENT DESIGNATION | MANUFACTURER'S DESIGNATION OR TYPE NUMBER | TEST OR QUALIFICATION REFERENCE | SPECIFI-CATION SHEET | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|---|---|---|---|---|
| **M8340122** | | | | |
| Char. H, K, M; schematics C, G; res. values 100 ohms thru 100 kilohms; tols. B, D, F, G, J | 4781HR, 4789HR | 83401-1484-85; 83401-693-83 | /22 | IRC, Inc. |
| **C8340123** | | | | |
| Char. H, K, M; schematics C, G; res. values 100 ohms thru 100 kilohms; tols. B, D, F, G, J | 4701HR, 4709HR | 83401-1484-85; 83401-693-83 | /23 | IRC, Inc. |
| **M8340123** | | | | |
| Char. H, K, M; schematics C, G; res. values 100 ohms thru 100 kilohms; tols. B, D, F, G, J | 4701HR, 4709HR | 83401-1484-85; 83401-693-83 | /23 | IRC, Inc. |
| **C8340124** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSM10A-24 | 83401-60-97 | /24 | Vishay Dale Electronics, Inc. |
| **C8340124** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A020; tols. F, G, J | MSM10A-24 | 83401-60-97 | /24 | Vishay Dale Electronics, Inc. |
| **M8340124** | | | | |
| Char. K, M; schematics C, G; res. values 10 ohms thru 1 megohms; tols. F, G, J | MSM10A-24 | 83401-60-97 | /24 | Vishay Dale Electronics, Inc. |
| **M8340124** | | | | |
| Char. K, M; schematics H; res. designators A001 thru A020; tols. F, G, J | MSM10A-24 | 83401-60-97 | /24 | Vishay Dale Electronics, Inc. |

**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 | NATIONAL DEVICE SPECIF-ICATION PART NUMBER | TEST REPORT NUMBER | SUPPLIER'S NAME (ADDRESS ON LAST PAGE) |
|---|---|---|---|---|
| BS 9450 | CA028<br>PD9002 | Char. K, M; schematics A, B, J; res. values 12 ohms thru 1 megohms; tols. F, G | UC/31/00246/CA1;<br>UC/31/00246/CA2;<br>UC/31/00246/CA2-1 | Beckman Industrial, Ltd. |
| BS 9450 | CA028<br>PD9002 | Char. K, M; schematics A, B, J; res. values 12 ohms thru 1 megohms; tols. F, G | UC/31/00246/CA1;<br>UC/31/00246/CA2;<br>UC/31/00246/CA2-1 | Beckman Industrial, Ltd. |

## Manufacturer and Supplier Location Information

**Manufacturer: Beckman Industrial, Ltd. (CAGE Code: K0718)**
Location: Queensway, Glenrothes, Fife, KY7 5PU, Scotland

**Manufacturer: IRC, Inc. (CAGE Code: 57027)**
Location: International Resistive Company, 4222 S. Staples Street, Corpus Christi, TX 78411, 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. Electronica Dale De Mexico S.A. De CV, C. Joule No. 1920, Parque Ind. Antonio J. Bermudez, C.P. 32470, CD. Juarez, Chihuahua, Mexico

**Manufacturer: Vishay Israel, Ltd. (CAGE Code: SH903)**
Location: Emek-Sara "B" Industrial Park, P.O. Box 2317, Be'er Sheva 84874, Israel

**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, Ltd., CAGE: S8016, 2 Haofan Street, Holon 58814, Israel