Specification Details: **Date: 4/29/2008**

Specification: MIL-PRF-39017
Title: Resistors, Fixed, Film (Insulated)
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:

DSCC Office of Primary Involvement: Passive Devices Team, DSCC-VQP
Primary DSCC-VQ Contact: 614-692-0597, e-mail: vqp.jz@dla.mil
Secondary DSCC-VQ Contact: 614-692-0665, e-mail: vqp.go@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 the Defense Supply Center Columbus (DSCC-VQ), Columbus, OH 43218-3990.

An asterisk (*) adjacent to the product listing indicates that qualified parts in this listing are available through distributors authorized by the manufacturer in accordance with Military Standard MIL-STD-790. Names and addresses of the distributors are listed in the back of this QPL. These lists are being furnished merely as an aid in identifying authorized sources of ER parts and the responsibility for complying with contractual provisions requiring use of such parts rests with the user of such parts. Such lists have been compiled from information furnished by the manufacturers of ER parts prior to release of this QPL for printing. Inclusion on, or omission from, the list of a particular distributor cannot be relied upon as a guarantee of such distributor's status since the information upon which the list is based may not have been complete and since authorized distributors are subject to change by the manufacturer at any time. Inclusion of a firm or such list is not, under any circumstance, to be considered an endorsement of such firm or its products by the Department of Defense.

Per Amendment 2 of MIL-R-39017/1 and MIL-R-39017/5, 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 as follows:

Vishay Dale will use the code D.
IRC Shallcross will use the code R.

Part Configuration:

RLR20C1002FM

Style	Terminal	Resistance	Resistance Tolerance	Product Level Designator
RLR20	C	1002	F	M

Part Listings:

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
RLR05*				
Terms. C; res. values 10 ohms thru 301 kilohms; tols. F, G; life failure rates C, M, P, R, S	RGR05 RGRA-05	39017-895-80	/5	IRC/TT Electronics
Terms. C; res. values 302 kilohms thru 1 megohms; tols. F, G; life failure rates C, M, P	ELR-05 ELR-05-19	39017-379-85 39017-303-87	/5	Vishay Dale (Columbus, NE)
Terms. C; res. values 4.7 ohms thru 301 kilohms; tols. F, G; life failure rates C, M, P, R, S	ERL-05 ERL-05-19	39017-379-85 39017-303-87	/5	Vishay Dale (Columbus, NE)
RLR07*				
Terms. C; res. values 10 ohms thru 3.01 megohms; tols. F, G; life failure rates C, M, P, R, S	RGR07	39017-320-76	/1	IRC/TT Electronics
Terms. C; res. values 1 ohms thru 9.76 ohms; tols. F, G; life failure rates M	ERL-07	39017-037-97	/1	Vishay Dale (Columbus, NE)
Terms. C; res. values 3.02 megohms thru 10 megohms; tols. F, G; life failure rates , C, M, P	ERL-07 ERL-07-23	39017-755-82 39017-303-87 39017-154-91	/1	Vishay Dale (Columbus, NE)

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFI-CATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
Terms. C; res. values 10 ohms thru 3.01 megohms; tols. F, G; life failure rates C, M, P, R, S	ERL-07 ERL-07-23	39017-755-82 39017-303-87 39012-154-91	/1	Vishay Dale (Columbus, NE)
RLR20*				
Terms. C; res. values 4.3 ohms thru 3.01 megohms; tols. F, G; life failure rates C, M, P, R, S	RGR20	39017-321-76	/2	IRC/TT Electronics
Terms. C; res. values 4.3 ohms thru 3.01 megohms; tols. F, G; life failure rates M, P, R	ERL-20 ERL-20-11	39017-957-76 39017-303-87	/2	Vishay Dale (Columbus, NE)
RLR32*				
Terms. C; res. values 1 ohms thru 2.7 megohms; tols. F, G; life failure rates M, P, R	ERL-32	39017-070-97	/3	Vishay Dale (Columbus, NE)

Manufacturer and Supplier Location Information

Manufacturer: IRC/TT Electronics (CAGE Code: 11502)

Location: International Resistive Company, Inc, P.O. Box 1860, 736 Greenway Road, Boone, NC 28607-4830, US

Plant Location: Same Address as Manufacturer

Distributor Locations:

1. All American, 1845 Satellite Boulevard, Suite 850, Duluth, GA 30097, US
2. All American, 13809 Research Boulevard, Suite 812, Austin, TX 78750, US
3. All American, 8310 Guilford Road, Suite A, Columbia, MD 21046, US
4. All American, 1930 N. Thoreau Drive, Suite 200, Schaumburg, IL 60173, US
5. All American, 1701 Analog Drive, Richardson, TX 75081, US
6. All American, 7575 West 103rd Street, Suite 100, Westminster, CO 80021, US
7. All American, 4631 Johnson Road, Suite 8, Coconut Creek, FL 33073, US
8. All American, Carretera Base Area #5850 Km. Module 8, Colonia La Mora, Zapopan 45100, Japan
9. All American, 7201 West 129th Street, Suite 150, Overland Park, KS 66213, US
10. All American, 14976 NW Greenbrier Parkway, Beaverton, OR 97006, US
11. All American, 1900 W. University Drive, Suite 230, Tempe, AZ 85281, US
12. All American, 8 East Stow Road, Suite 100, Marlton, NJ 08053, US
13. All American, 528 S. North Lake Boulevard, Suite 1040, Altamonte Springs, FL 32701, US
14. All American, 10805 Holde Street, Suite 100, Cypress, CA 90630, US
15. All American, 7800 Equitable Drive, Suite 150, Eden Prairie, MN 55344, US
16. All American, 20875 Crossroads Circle, Suite 950, Waukesha, WI 53186, US
17. All American, 16115 NW 52nd Avenue, Miami, FL 33014-9317, US
18. All American, 275-B Marcus Boulevard, Hauppauge, NY 11788, US
19. All American, 3007 Douglas Boulevard, Suite 175, Roseville, CA 95661, US
20. All American, 333 Metro Park, Rochester, NY 14623, US
21. All American, 1121 Situs Court, Suite 370, Raleigh, NC 27606, US
22. All American, 4940 Corporate Drive, Suite D, Huntsville, AL 35805, US
23. All American, 48376 Milmont Drive, Fremont, CA 94538, US
24. All American, 39201 Schoolcraft Road, Suite B-20, Livonia, MI 48150, US
25. All American, 100 Mill Plain Road, Suite 360, Danbury, CT 06811, US
26. All American, 26650 Renaissance Parkway, Warrensville Heights, OH 44128, US
27. All American, 100 Burtt Road, Suite 110, Andover, MA 01810, US
28. All American, 14192 Chambers Road, Tustin, CA 92780, US
29. All American, 6375 Dixie Road, Units 4, 5, 6, Mississauga, Ontario L5T 2E7, Canada
30. All American, 640 Brooker Creek Boulevard, Suite 465, Oldsmar, FL 34677, US
31. All American, 19310 North Creek Parkway South, Suite 109, Bothell, WA 98011, US
32. All American, 230 Devcon Drive, San Jose, CA 95112, US
33. All American, 26010 Mureau Road, Suite 120, Calabasas, CA 91302, US
34. All American, 9585 Candida Street, San Diego, CA 92126, US
35. All American, 6955 Union Park Center, Suite 110, Midvale, UT 84047, US
36. Arrow Electronics Components, 19180 Transcanada Highway, Baie D'urfe, Quebec H9X 3S4, Canada
37. Arrow Electronics Components, 84 Hines Road, Suite 100, Kanata, Ontario K2K 3G3, Canada
38. Arrow Electronics Components, 171 Superior Boulevard, Mississauga, Onario L5T 2I6, Canada
39. Arrow Electronics Components, 13800 NW 14th Street, Suite 160, Sunrise, FL 33323, US
40. Arrow Electronics Components, 3310 146th Place SE, Building B, Suite A, Bellevue, WA 98007-6471, US
41. Arrow Electronics Components, 3000 Bowers Avenue, Santa Clara, CA 95051, US
42. Arrow Electronics Components, 9173 Sky Park Court, San Diego, CA 92123, US
43. Arrow Electronics Components, 2440 South 1070 West, Suite A, Salt Lake City, UT 8419-1554, US
44. Arrow Electronics Components, 3300 Douglas Boulevard, Suite 105, Roseville, CA 95661, US
45. Arrow Electronics Components, 2165 Brighton-Henrietta Townline Road, Rochester, NY 14623-2898, US
46. Arrow Electronics Components, 200 Perimeter Park Drive, Suite D, Morrisville, NC 27560-9752, US
47. Arrow Electronics Components, 9500 SW Nimbus Avenue, Building E, Beaverton, OR 97008-7184, US
48. Arrow Electronics Components, 3245 Old Frankstown Road, Pittsburgh, PA 15239-2909, US
49. Arrow Electronics Components, 2552 West Erie Drive, Suite 101, Tempe, AZ 85282, US
50. Arrow Electronics Components, 355 Business Center Drive, Horsham, PA 19044, US
51. Arrow Electronics Components, Foothill Corporate Plaza, 27121 Towne Centre Drive, Suite 100, Foothill Ranch, CA 92610-2807, US
52. Arrow Electronics Components, 55 Skyline Drive, Suite 2500, Lake Mary, FL 32746, US
53. Arrow Electronics Components, 220 Rabro Drive East, Hauppauge, NY 11788, US
54. Arrow Electronics Components, 100 South Jefferson Road, Whippany, NJ 07981-1027, US
55. Arrow Electronics Components, 7629 Anagram Drive, Eden Prairie, MN 55344, US
56. Arrow Electronics Components, 44760 Helm Street, Plymouth, MI 48170-6019, US
57. Arrow Electronics Components, 20935 Warner Center Lane, Woodland Hills, CA 91367, US
58. Arrow Electronics Components, 9801 Legler Road, Lenexa, KS 66219, US
59. Arrow Electronics Components, 6982 Hillsdale Court, Indianapolis, IN 46250, US
60. Arrow Electronics Components, 4930 Corporate Drive, Suite F, Huntsville, AL 35805, US
61. Arrow Electronics Components, 2901 Wilcrest, Suite 120, Houston, TX 77042, US
62. Arrow Electronics Components, 7459 South Lima Street, Building 1, Englewood, CO 80112-5816, US
63. Arrow Electronics Components, 7677 Paragon Road, Suite A, Dayton, OH 45459, US
64. Arrow Electronics Components, 6340 International Parkway, Suite 100, Plano, TX 75093, US
65. Arrow Electronics Components, 860 North Main Street Ext., Wallingford, CT 06492-2419, US
66. Arrow Electronics Components, 30600 Aurora Road, Building B, Suite 180, Solon, OH 44139, US
67. Arrow Electronics Components, 116 Spring Lake Drive, Itasca, IL 60143-2062, US
68. Arrow Electronics Components, 35 Upton Drive, Wilmington, MA 01887-1073, US
69. Arrow Electronics Components, 9800 Patuxent Woods Drive, Suite J, Columbia, MD 21046-1587, US

70. Arrow Electronics Components, 9233 Waterford Centre Boulevard, Austin, TX 78758, US
71. Arrow Electronics Components, 1855 Satellite Boulevard, Suite 600, Duluth, GA 30097, CA
72. Arrow Electronics Components, 2151 32nd Street NE, Unit D, Calgary, Alberta T1Y 7G3, Canada
73. Arrow Electronics Components, 8521 Commerce Court, Burnaby, British Columbia V5A 4N3, Canada
74. Arrow Electronics Components, 150 North Patrick Boulevard, Suite 200, Brookfield, WI 53045, US
75. Arrow Electronics Components, 12111 East 51st Street, Suite 101, Tulsa, OK 74146-6005, US
76. Arrow Electronics Components, 2380 Schuetz Road, St. Louis, MO 63146-3412, US
77. Future Electronics, 6500 Boeing Drive, Suite T5, El Paso, TX 79925-1074, US
78. Future Electronics, 26570 West Agoura Road, Suite 100, Calabasas, CA 91302, US
79. Future Electronics, 5000 Stonewood Drive, Suite 200, Wexford, PA 15090, US
80. Future Electronics, Parker Business Center, 2800 Sumner Boulevard, Suites 154, 160, 166-A, Raleigh, NC 27616, US
81. Future Electronics, 59 Skyline Drive, Suite 1000, Lake Mary, FL 32746, US
82. Future Electronics, 18882 Lake Drive East, Chanhassen, MN 55317, US
83. Future Electronics, 300 Linden Oaks, Rochester, NY 14625, US
84. Future Electronics, 690 North McCarthy Boulevard, Suite 200, Milpitas, CA 95035, US
85. Future Electronics, 4595 Broadmoor Avenue SE, Suite 280, Grand Rapids, MI 49512, US
86. Future Electronics, 1819 Denver West Drive, Suilding 26, Suite 350, Golden, CO 80401, US
87. Future Electronics, 2201 West Plano Parkway, Suite 150, Plano, TX 75075, US
88. Future Electronics, 15950 Bay Vista Drive, Suite 340, Clearwater, FL 33760, US
89. Future Electronics, Westgate Office Center, 700 West Johnson Avenue, Cheshire, CT 06410, US
90. Future Electronics, 1190 Winterson Road, Suite 180, Linthicum, MD 21090, US
91. Future Electronics, 4400 River Green arkway, Suite 220, Duluth, GA 30096, US
92. Future Electronics, 655 Caig Road, Suite 240, Creve Coeur, MO 63141, US
93. Future Electronics, 3450 South Highland Drive, Suite 301, Salt Lake City, UT 84106, US
94. Future Electronics, 6060 Rockside Woods Boulevard, Suite 141, Independence, OH 44131, US
95. Future Electronics, 2300 Barrington Road, Suite 500, Hoffman Estates, IL 60195, US
96. Future Electronics, 16740 Birkdale Commons Parkway, Suite 212, Huntersville, NC 28078, US
97. Future Electronics, 12438 West Bridger Street, Suite 110, Boise, ID 83713, US
98. Future Electronics, Greystone Plaza, 7200 North MoPac Expressway, Suite 310, Austin, TX 78731, US
99. Future Electronics, 251 Salina Meadows Parkway, Suite 210, Syracuse, NY 13212, US
100. Future Electronics, Creekview Building, 3350 Monte Villa Parkway, Suite 210, Bothell, WA 98021, US
101. Future Electronics, 6256 Greenwich Drive, Suite 250, San Diego, CA 92122, US
102. Future Electronics, 1640 Lead Hill Road, Suite 200, Roseville, CA 95661, US
103. Future Electronics, 41 Main Street, Bolton, MA 01740, US
104. Future Electronics, 10975 Grandview Drive, Suite 330, Overland Park, KS 66210, US
105. Future Electronics, 8520 Allison Point Boulevard, Suite 205, Indianapolis, IN 46250, US
106. Future Electronics, 10333 Richmond Avenue, Suite 970, Houston, TX 77042, US
107. Future Electronics, Parsippany Place, 959 Route 46 E, Suite 303, Parsippany, NJ 07054, US
108. Future Electronics, 38800 Country Club Drive, Suite 100, Farmington Hills, MI 48331, US
109. Future Electronics, 1430 Oak Court, Suite 203, Beavercreek, OH 45430, US
110. Future Electronics, 5250 Neil Road, Suite 106, Reno, NV 89502, US
111. Future Electronics, 6650 SW Redwood Lane, Suite 160, Portland, OR 97224, US
112. Future Electronics, 4801 East Washington Street, Suite 225, Phoenix, AZ 85034, US
113. Future Electronics, 2000 Crawford Place, Suite 900, Mount Laurel, NJ 08054, US
114. Future Electronics, 175 North Corporate Drive, Suite 150, Brookfield, WI 53045, US
115. Future Electronics, 3033 Express Drive North, Hauppauge, NY 11749, US
116. Future Electronics, 25-B Technology Drive, Suite 200, Irvine, CA 92618, US
117. Future Electronics, 4960 Corporate Drive N, Suite 150, Huntsville, AL 35805, US
118. Jaco Electronics, 145 Oser Avenue, Hauppauge, NY 11788, US
119. Justin Electronics Corp., 400 Oser Avenue, #800, Hauppauge, NY 11788, US
120. LXI, 190 Lime Quarry Road, Suite 205, Madison, AL 35758, US
121. LXI, 501 Airport North Office Park, Fort Wayne, IN 46825, US
122. LXI, 400 Fuller Wiser Road, Suite 111, Euless, TX 76039, US
123. LXI, 100 Airport Drive, Wappingers Falls, NY 12590, US
124. Mouser Electronics, Inc., 1000 North Main Street, Mansfield, TX 76063, US
125. Mouser Electronics, Inc., 382 Route 46, Suites 1 & 2, Budd Lake, NJ 07828, US
126. Mouser Electronics, Inc., 1810 Gillespie Way, Suite 101, El Cajon, CA 92020, US
127. Newark InOne, 7449 Morgan Road, 1st Floor, Liverpool, NY 13090-3901, US
128. Newark InOne, 197 Highway 18 South, Suite 205, East Brunswick, NJ 08816-1440, US
129. Newark InOne, 6400 Rockside Road, Independence, OH 44131, US
130. Newark InOne, 1400 Commerce Center Drive, Suite E, Franklin, OH 45005, US
131. Newark InOne, 4250 Veterans Memorial Highway, Suite 301, Holbrook, NY 11741, US
132. Newark InOne, 6443 SW Beaverton Hillsdale Highway, Suite 330, Portland, OR 97225-1692, US
133. Newark InOne, Penn Center Boulevard, Suite 1, Suite 401, Pittsburgh, PA 15276, US
134. Newark InOne, 59 Composite Way, Suite 200, Boston, MA 01851-5150, US
135. Newark InOne, 65 Boston Post Road West, Marlborough, MA 01752-1854, US
136. Newark InOne, 7272 Park Circle Drive, Suite 260, Hanover, MD 21076-1306, US
137. Newark InOne, 6811 West 63rd Street, Suite 305, Overland Park, KS 66202-4080, US
138. Newark InOne, 11555 North Meridian, Suite 520, Carmel, IN 46032, US
139. Newark InOne, 1919 South Highland Avenue, Suite A320, Lombard, IL 60148-6119, US
140. Newark InOne, 22 Technology Park, Suite 250, Norcross, GA 33092-3053, US
141. Newark InOne, 3230 West Commercial Boulevard, Suite 300, Fort Lauderdale, FL 33309-3400, US
142. Newark InOne, 1080 Woodcock Road, Suite 111, Orlando, FL 32803-3514, US
143. Newark InOne, 11128 John Galt Boulevard, Suite 550, Omaha, NE 68137-2321, US
144. Newark InOne, 1701 Pinecroft Road, Suite 101, Greensboro, NC 27407-3855, US
145. Newark InOne, 2458 Old Dorsett Road, Suite 205, Maryland Heights, MO 63043, US

Manufacturer and Supplier Location Information

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

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

Plant Location: Same Address as Manufacturer

Category A
Distributor Locations:
1. Arrow Zeus Electronics, 2900 Westchester Avenue, Buite 401, Purchase, NY 10577-2508, US
2. Avnet EMG, 60 S. McKemy, Chandler, AZ 85226, US
3. Bell Industries, EDD Dayton Division, 446 Windsor Park Drive, Dayton, OH 45459, US
4. Future Electronics, 237 Hymus Boulevard, Pointe Claire, Quebec, Canada H9R 5C7, Canada
5. Jaco Electronics, Inc., 145 Oser Avenue, Hauppauge, NY 11788, US
6. New Yorker Electronics Co., Inc., 4200 Center Avenue, Mamaroneck, NY 10543, US
7. Pioneer Standard Electronics, 4800 East 131 Street, Cleveland, OH 44105, US
8. Tri-State Electronics, Inc., 134 Remington Boulevard, Ronkonkoma, NY 11779, US

Category B - MIL-R-55182 only
Distributor Locations:
1. Kent Electronics, Inc., 7433 Harwin Drive, Houston, TX 77036-2015, US
2. T.T.I. Inc., 2441 Northeast Parkway, Fort Worth, TX 76101-1896, US

Category B-Hot Solder Dip Only 39007, 39009, 39017, 55182
Distributor Location:
1. Loras Industries, Inc., 2640 Freewood Drive, Dallas, TX 75220, US