Specification Details: **Date: 9/17/2026**

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:

Office of Primary Involvement: Passive Devices Branch, DLA Land and Maritime - VQP
Primary Qualifying Activity Contact: 614-693-4318, e-mail: vqp.st@dla.mil
Secondary Qualifying Activity Contact: 614-907-2854, e-mail: vqp.ss@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.

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

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; 100 kilohms thru 1 megohms; tols. F, G; life failure rates C, M, P, R	ERL-05, ERL-05-19	39017-303-87; 39017-379-85	/5	Dale Electronics, LLC
Terms. C; 4.7 ohms thru 100 kilohms; tols. F, G; life failure rates C, M, P, R, S	ERL-05, ERL-05, ERL-05-19, ERL-05-19	39017-303-87; 39017-379-85	/5	Dale Electronics, LLC
RLR07				
Terms. C; 10 ohms thru 3.01 megohms; tols. F, G; life failure rates C, M, P, R, S	ERL-07, ERL-07, ERL-07-23, ERL-07-23	39012-154-91; 39017-303-87; 39017-755-82	/1	Dale Electronics, LLC
Terms. C; 3.01 megohms thru 10 megohms; tols. F, G; life failure rates C, M, P, R	ERL-07, ERL-07, ERL-07-23, ERL-07-23	39017-154-91; 39017-303-87; 39017-755-82	/1	Dale Electronics, LLC
Terms. C; 1 ohms thru 9.76 ohms; tols. F, G; life failure rates M	ERL-07, ERL-07, ERL-07-23	39017-037-97; 39017-154-91; 39017-303-87; 39017-755-82	/1	Dale Electronics, LLC
RLR20				
Terms. C; 4.3 ohms thru 3.01 megohms; tols. F, G; life failure rates M, P, R, S	ERL-20, ERL-20, ERL-20-11, ERL-20-11	39017-303-87; 39017-957-76	/2	Dale Electronics, LLC
RLR32				
Terms. C; 1 ohms thru 2.7 megohms; tols. F, G; life failure rates M, P, R	ERL-32, ERL-32	39017-070-97	/3	Dale Electronics, LLC

Manufacturer and Supplier Location Information

Manufacturer: Vishay Dale Electronics, LLC (CAGE Code: 91637)
Location: P.O. Box 609, 1122 23rd Street, Columbus, NE 68602-0609, US

Plants:

1. Plant: Same Address as Manufacturer