

**Specification Details:**

Specification: MIL-PRF-39023  
 Title: Resistors, Variable, Non-Wire-Wound, Precision  
 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: No

**Contact Information:**

DSCC Office of Primary Involvement: Passive Devices Team, DSCC-VQP  
 Primary DSCC-VQ Contact: 614-692-0665, e-mail: vqp.go@dla.mil  
 Secondary DSCC-VQ Contact: 614-692-0597, e-mail: vqp.jz@dla.mil

**Notes:**

N/A

**Part Configuration:**

**RQ090AA12AB103**

Style	Temp Character	Shaft Length	Moisture Resistance	Life Character	Tolerance Character	Output-Smoothness Character	Resistance
RQ090	A	A	1	2	A	B	103

**Part Listings:**

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFICATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
<b>RQ051*</b> Res. temp. char. C; shaft length G; life char. 5; moist. res. char. 2; func. conformity tol. chars. A; output-smoothness char. F; nom. total res. value 5 kilohms	1020-561-3	39023-192-86	/10	BEI Duncan Electronics
<b>RQ051</b> Res. temp. char. C; shaft length G; life char. 5; moist. res. char. 2; func. conformity tol. chars. A; output-smoothness char. F; nom. total res. value 5 kilohms	55FL1-130-01	39023-846-83	/10	Honeywell - New England Instruments Div.
<b>RQ090*</b> Res. temp. char. A, B; shaft length A, B, C, D, E, F; life char. 1, 2, 3; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	2211	39023-803-76	/1	BEI Duncan Electronics
<b>RQ090*</b> Res. temp. char. A, B; shaft length A, B, C, D, E, F; life char. 1, 2, 3; moist. res. char. 2; func. conformity tol. chars. A, B, C, D; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	1221	39023-4-77	/1	BEI Duncan Electronics
<b>RQ090*</b> Res. temp. char. A; shaft length A, B, C, D; life char. 1, 2, 3, 4; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	78FLI, 78FS, 78SF	39023-526-77	/1	Honeywell - New England Instruments Div.
<b>RQ090*</b> Res. temp. char. A, B; shaft length A, B, C, D; life char. 1, 2, 3; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	WP7/8M	39023-308-73	/1	Honeywell Sensing & Control

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SPECIFICATION SHEET	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
<b>RQ091*</b>				
Res. temp. char. A, B; shaft length A, B, C, D, E, F; life char. 1, 2, 3; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	2212	39023-803-76	/9	BEI Duncan Electronics
<b>RQ091*</b>				
Res. temp. char. A, B; shaft length A, B, C, D, E, F; life char. 1, 2, 3; moist. res. char. 2; func. conformity tol. chars. A, B, C, D; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	1222	39023-4-77	/9	BEI Duncan Electronics
<b>RQ091*</b>				
Res. temp. char. A; shaft length A, B, C, D, E, F; life char. 1, 2, 3, 4; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	78BF, 78FL, 78FTS	39023-526-77	/9	Honeywell - New England Instruments Div.
<b>RQ091*</b>				
Res. temp. char. A, B; shaft length A, B, C, D, E, F; life char. 1, 2, 3; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	WP7/8M	39023-308-73	/9	Honeywell Sensing & Control
<b>RQ100*</b>				
Res. temp. char. A, B; shaft length A, B, C, D, E, F; life char. 1, 2, 3; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D, E; output-smoothness char. A, B, C, D, E; nom. total res. values 1 ohm thru 1 megohm	4211	39023-804-76	/6	BEI Duncan Electronics
<b>RQ110*</b>				
Res. temp. char. A, B; shaft length A, B, C, D, E, F; life char. 1, 2, 3; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	2311	39023-803-76	/2	BEI Duncan Electronics
<b>RQ110</b>				
Res. temp. char. A, B; shaft length A, B, C, D, E, F; life char. 1, 2, 3; moist. res. char. 2; func. conformity tol. chars. A, B, C, D; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	1321	39023-4-77	/2	BEI Duncan Electronics
<b>RQ110*</b>				
Res. temp. char. A; shaft length A, B, C, D; life char. 1, 2, 3, 4; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	116FL, 116FTS, 116SF	39023-526-77	/2	Honeywell - New England Instruments Div.
<b>RQ110*</b>				
Res. temp. char. A, B; shaft length A, B, C, D; life char. 1, 2, 3; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	WP1 1/16-M	39023-308-73	/2	Honeywell Sensing & Control
<b>RQ150*</b>				
Res. temp. char. A, B; shaft length A, B, C, D, E, F; life char. 1, 2, 3; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D, E; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	2511	39023-803-76	/3	BEI Duncan Electronics
<b>RQ150*</b>				
Res. temp. char. A, B; shaft length A, B, C, D, E, F; life char. 1, 2, 3; moist. res. char. 2; func. conformity tol. chars. A, B, C, D, E; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	1521	39023-4-77	/3	BEI Duncan Electronics
<b>RQ150*</b>				
Res. temp. char. A; shaft length A, B, C, D, E, F; life char. 1, 2, 3, 4; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D, E; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	176FL, 176FTS, 176SF	39023-526-77	/3	Honeywell - New England Instruments Div.

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<b>RQ150*</b> Res. temp. char. A, B; shaft length A, B, C, D, E, F; life char. 1, 2, 3; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D, E; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	WP1 7/16-M	39023-309-73	/3	Honeywell Sensing & Control
<b>RQ160*</b> Res. temp. char. A, B; shaft length A, B, C, D, E, F; life char. 1, 2, 3; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D, E; output-smoothness char. A, B, C, D, E; nom. total res. values 1 kilohm thru 3 megohms	4511	39023-804-76	/7	BEI Duncan Electronics
<b>RQ200*</b> Res. temp. char. A, B; shaft length A, B, C, D, E, F; life char. 1, 2, 3, 4; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D, E, F; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	2711	2711	/4	BEI Duncan Electronics
<b>RQ200*</b> Res. temp. char. A, B; shaft length A, B, C, D, E, F; life char. 1, 2, 3, 4; moist. res. char. 2; func. conformity tol. chars. A, B, C, D, E, F; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	1721	39023-4-77	/4	BEI Duncan Electronics
<b>RQ200*</b> Res. temp. char. A; shaft length A, B, C, D, E, F; life char. 1, 2, 3, 4; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D, E, F; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	200FL, 200FTS, 200SF	39023-526-77	/4	Honeywell - New England Instruments Div.
<b>RQ200*</b> Res. temp. char. A, B; shaft length A, B, C, D, E, F; life char. 1, 2, 3; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D, E, F; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	WP2-M	39023-309-73	/4	Honeywell Sensing & Control
<b>RQ210*</b> Res. temp. char. A, B; shaft length A, B, C, D, E, F; life char. 1, 2, 3; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D, E, F; output-smoothness char. A, B, C, D, E; nom. total res. values 1 kilohm thru 3 megohms	4711	39023-804-76	/8	BEI Duncan Electronics
<b>RQ300*</b> Res. temp. char. A, B; shaft length A, B, C, D, E, F; life char. 1, 3; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D, E, F; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	2811	39023-803-76	/5	BEI Duncan Electronics
<b>RQ300*</b> Res. temp. char. A, B; shaft length A, B, C, D, E, F; life char. 1, 3; moist. res. char. 2; func. conformity tol. chars. A, F; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	1821	39023-4-77	/5	BEI Duncan Electronics
<b>RQ300*</b> Res. temp. char. A; shaft length A, B, C, D, E, F; life char. 1, 4; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D, E, F; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	300FL, 300FTS, 300SF	39023-526-77	/5	Honeywell - New England Instruments Div.
<b>RQ300*</b> Res. temp. char. A, B; shaft length A, B, C, D, E, F; life char. 1, 3; moist. res. char. 1, 2; func. conformity tol. chars. A, B, C, D, E, F; output-smoothness char. A, B, C, D, E; nom. total res. values 100 ohms thru 1 megohm	WP3-M	39023-309-73	/5	Honeywell Sensing & Control

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**Manufacturer and Supplier Location Information**

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**Manufacturer: BEI Duncan Electronics (CAGE Code: 11534)**

Location: 170 Technology Drive, Irvine, CA 92618-2401, US

Plant Location: Same Address as Manufacturer

**Manufacturer: Honeywell - New England Instruments Div. (CAGE Code: 08815)**

Location: 245 Railroad Steet, Woonsocket, RI 02895, US

Plant Location: Same Address as Manufacturer

**Manufacturer: Honeywell Sensing & Control (CAGE Code: 94603)**

Location: Honeywell Optoelectronica, Ave. Parque Industrial Juarez #3328, CD. Juarez, Mex. C.P. 32630, Mexico

Plant Location: Same Address as Manufacturer