

[INCH-POUND]
A-A-59714/1C
2 September 2025
SUPERSEDING
A-A-59714/1B
5 October 2020

COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

RESISTOR, THERMAL, NON-LINEAR THERMISTOR
(RESETTABLE FUSE)
RADIAL LEADED, STYLE RUE

The General Services Administration has authorized the use of this
Commercial Item Description for all federal agencies.

The complete requirements for procuring fixed wirewound power type resistor described herein shall consist of this document and the issue in effect of [A-A-59714](#).

CLASSIFICATION OR PART IDENTIFICATION NUMBER (PIN). This commercial item description (CID) specification sheet uses a classification system which is included in the PIN as shown in the following example (see [NOTES](#)).

AA59714	01	-001
CID number	Applicable CID sheet (two digits)	Dash number (see applicable CID sheet)

SALIENT CHARACTERISTICS

Interface and physical dimensions. The resistors supplied to this CID specification sheet shall be as specified herein (see [figure 1](#)).

Power dissipation. The power dissipation shall be as specified in [table I](#).

Voltage rating. The voltage rating shall be 30 V (max).

Hold current. The hold current shall be as specified in [table I](#).

Trip current. The trip current shall be as specified in [table I](#).

Resistance. The maximum and minimum resistance shall be as specified in [table I](#).

Post trip resistance. The post trip resistance shall be as specified in [table I](#).

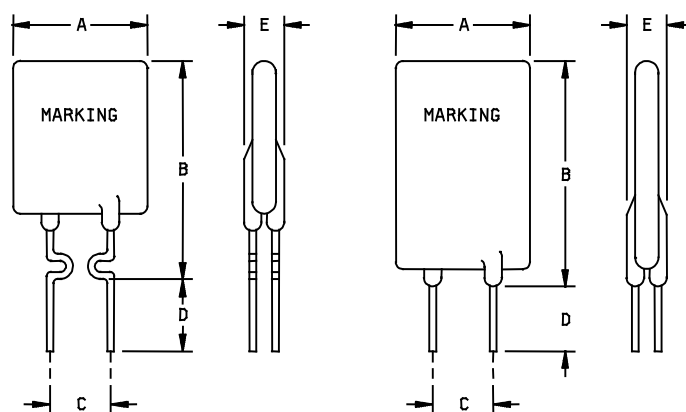
Operating ambient temperature. The operating ambient temperature range shall be -40°C to +85°C.

Marking. Thermistors supplied to this CID specification sheet shall be marked as specified in [A-A-59714](#).

Comments, suggestion, or questions on this document should be address to: DLA Land and Maritime, ATTN: VAT, Post Office Box 3990, Columbus, OH 432186-3990, emailed to Resistor@dla.mil. Since contact information can change, you may want to verify the currency of this address information using the ASSIST Online database at <https://assist.dla.mil>.



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SEE NOTE 2

Dash number	Dimensions					
	A (max)	B (max)	C (min)	C (max)	D (min)	E (max)
001	0.29 (7.4)	0.48 (12.2)	0.17 (4.3)	0.23 (5.8)	0.30 (7.6)	0.12 (3.0)
002	0.35 (8.9)	0.56 (14.2)	0.17 (4.3)	0.23 (5.8)	0.30 (7.6)	0.12 (3.0)
003	0.402 (10.2)	0.744 (18.9)	0.17 (4.3)	0.23 (5.8)	0.30 (7.6)	0.12 (3.0)
004	0.472 (12.0)	0.661 (16.8)	0.17 (4.3)	0.23 (5.8)	0.30 (7.6)	0.12 (3.0)
005	0.472 (12.0)	0.724 (18.4)	0.17 (4.3)	0.23 (5.8)	0.30 (7.6)	0.12 (3.0)
006	0.472 (12.0)	0.72 (18.3)	0.17 (4.3)	0.23 (5.8)	0.30 (7.6)	0.12 (3.0)
007	0.472 (12.0)	0.72 (18.3)	0.17 (4.3)	0.23 (5.8)	0.30 (7.6)	0.12 (3.0)
008	0.567 (14.4)	0.976 (24.8)	0.17 (4.3)	0.23 (5.8)	0.30 (7.6)	0.12 (3.0)
009	0.685 (17.4)	0.980 (24.9)	0.37 (9.4)	0.43 (10.9)	0.30 (7.6)	0.12 (3.0)
010	0.760 (19.3)	1.256 (31.9)	0.37 (9.4)	0.43 (10.9)	0.30 (7.6)	0.12 (3.0)
011	0.870 (22.1)	1.173 (29.8)	0.37 (9.4)	0.43 (10.9)	0.30 (7.6)	0.12 (3.0)
012	0.953 (24.2)	1.295 (32.9)	0.37 (9.4)	0.43 (10.9)	0.30 (7.6)	0.12 (3.0)
013	0.95 (24.2)	1.295 (32.9)	0.37 (9.4)	0.43 (10.9)	0.30 (7.6)	0.12 (3.0)
014	0.29 (7.4)	0.48 (12.2)	0.17 (4.3)	0.23 (5.8)	0.30 (7.6)	0.12 (3.0)
015	0.35 (8.9)	0.56 (14.2)	0.17 (4.3)	0.23 (5.8)	0.30 (7.6)	0.12 (3.0)
016	0.35 (8.9)	0.744 (18.9)	0.17 (4.3)	0.23 (5.8)	0.30 (7.6)	0.12 (3.0)
017	0.402 (10.2)	0.661 (16.8)	0.17 (4.3)	0.23 (5.8)	0.30 (7.6)	0.12 (3.0)
018	0.472 (12.0)	0.724 (18.4)	0.17 (4.3)	0.23 (5.8)	0.30 (7.6)	0.12 (3.0)
019	0.472 (12.0)	0.72 (18.3)	0.17 (4.3)	0.23 (5.8)	0.30 (7.6)	0.12 (3.0)
020	0.472 (12.0)	0.72 (18.3)	0.17 (4.3)	0.23 (5.8)	0.30 (7.6)	0.12 (3.0)
021	0.567 (14.4)	0.976 (24.8)	0.17 (4.3)	0.23 (5.8)	0.30 (7.6)	0.12 (3.0)
022	0.685 (17.4)	1.01 (25.6)	0.37 (9.4)	0.43 (10.9)	0.30 (7.6)	0.12 (3.0)
023	0.760 (19.3)	1.256 (31.9)	0.37 (9.4)	0.43 (10.9)	0.30 (7.6)	0.12 (3.0)
024	0.870 (22.1)	1.173 (29.8)	0.37 (9.4)	0.43 (10.9)	0.30 (7.6)	0.12 (3.0)
025	0.953 (24.2)	1.295 (32.9)	0.37 (9.4)	0.43 (10.9)	0.30 (7.6)	0.12 (3.0)
026	0.95 (24.2)	1.295 (32.9)	0.37 (9.4)	0.43 (10.9)	0.30 (7.6)	0.12 (3.0)

NOTES:

1. Millimeters are in parenthesis.
2. Dash numbers 001 to 006 and 020 to 026 are kinked leads, and 007 to 019 are straight leads.

FIGURE 1. Case dimensions and configuration.

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TABLE I. Rating and characteristics.

CID dash number		Hold current (amps)	Trip current (amps)	Power dissipation (watts)	Resistance (ohms) (min) (max)		Post trip resistance (ohms)
001	014	0.90	1.80	0.6	0.070	0.12	0.22
002	015	1.10	2.20	0.7	0.10	0.18	0.27
003	016	1.35	2.70	0.8	0.065	0.115	0.17
004	017	1.60	3.20	0.9	0.055	0.105	0.15
005	018	1.85	3.70	1.0	0.040	0.07	0.11
006	019	2.50	5.00	1.2	0.020	0.048	0.70
007	020	3.00	6.00	2.0	0.020	0.05	0.08
008	021	4.00	8.00	2.5	0.010	0.03	0.05
009	022	5.00	10.00	3.0	0.010	0.03	0.05
010	023	6.00	12.00	3.5	0.005	0.02	0.04
011	024	7.00	14.00	3.8	0.005	0.02	0.03
012	025	8.00	16.00	4.0	0.005	0.02	0.03
013	026	9.00	18.00	4.2	0.005	0.01	0.02

NOTES.

PIN. The PIN should be used for Government purposes to buy commercial products to this CID specification sheet. See classification information for PIN format example.

Source of documents.

Commercial Item Description

A-A-59714 - Resistor, Thermal, Non-Linear Thermistor, (Resettable Fuses), General Requirements for

(Copies of these documents are available online at <https://quicksearch.dla.mil/>.)

Commercial products. As part of the market analysis and research effort, this CID specification sheet was coordinated with the following manufacturers of commercial products. At the time of CID specification sheet preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID specification sheet. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown).

MFR's CAGE
75915

MFR's name and address

Littelfuse
6133 North River Road, Suite 500
Rosemont, IL 60018
Ph: 773-628-1000
Website: <https://www.littelfuse.com>

32997

Bourns, Incorporated
Circuit Protection Division
1200 Columbia Avenue
Riverside, CA 92507-2129
Phone: 951-781-5500 Ext. 2778
Email: americus@bourns.com
Website: <https://www.bourns.com>

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Part number (P/N) supersession data. This CID specification sheet PINs supersedes the following manufacturers P/N as shown in [table II](#). This information is being provided to assist in reducing proliferation in the Government inventory system.

TABLE II. P/N supersession data.

CID dash number AA5971401-	MFR's CAGE	MFR's P/N <u>1/</u>	CID dash number AA5971401-	MFR's CAGE	MFR's P/N <u>1/</u>
001	75915	RUEF090	014	75915	RUEF110S
002		RUEF110	015		RUEF135S
003		RUEF135	016		RUEF160S
004		RUEF160	017		RUEF185S
005		RUEF185	018		RUEF250S
006		RUEF250	019		RUEF300K
007		RUEF300	020		RUEF400K
008		RUEF400	021		RUEF500K
009		RUEF500	022		RUEF600K
010		RUEF600	023		RUEF700K
011		RUEF700	024		RUEF800K
012		RUEF800	025		RUEF900K
013		RUEF900	026		RUEF900K
001	32997	MF-R090-2-9	014	32997	MF-R090-2-9-17
002		MF-R110	015		MF-R110-2-17
003		MF-R135	016		MF-R135-2-17
004		MF-R160	017		MF-R160-2-17
005		MF-R185	018		MF-R185-2-17
006		MF-R250-2-10	019		MF-R250-2-10-17
007		MF-R300	020		MF-R300-2-14
008		MF-R400	021		MF-R400-2-14
009		MF-R500	022		MF-R500-2-14
010		MF-R600	023		MF-R600-2-14
011		MF-R700	024		MF-R700-2-14
012		MF-R800	025		MF-R800-2-14
013		MF-R900	026		MF-R900-2-14

1/ The manufacturers P/N shall not be used for procurement to the requirements of this CID specification sheet, At the time of preparation of this CID specification sheet, the aforementioned commercial products were reviewed and could be replaced by the CID PIN shown. For actual part marking requirements, see paragraph 3.7 of [A-A-59714](#).

National Stock Number. This section is not applicable to this CID specification sheet.

Changes from previous issue. The margins of this CID specification sheet are marked with a vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

MILITARY INTERESTS:

Custodians:
Navy - EC
DLA - CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA – FAS

Preparing activity:

DLA - CC

Project 5905-2025-045

NOTE: The activities listed above were interested in this document as the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.