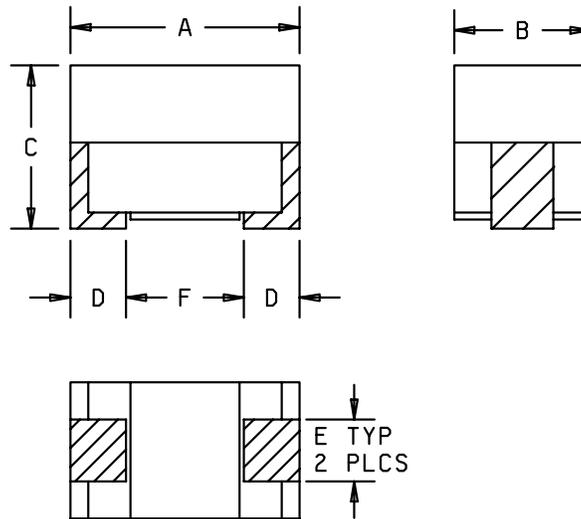


PERFORMANCE SPECIFICATION SHEET

COILS, RADIO FREQUENCY, CHIP, FIXED, IRON CORE

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-PRF-83446.



	Inches	Millimeters
A	.235 to .255	5.97 to 6.48
B	.085 to .105	2.16 to 2.67
C	.090 to .110	2.29 to 2.79
D	.060 to .080	1.52 to 2.03
E	.035 to .055	.890 to 1.40
F	.100 Ref.	2.54 Ref.

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.

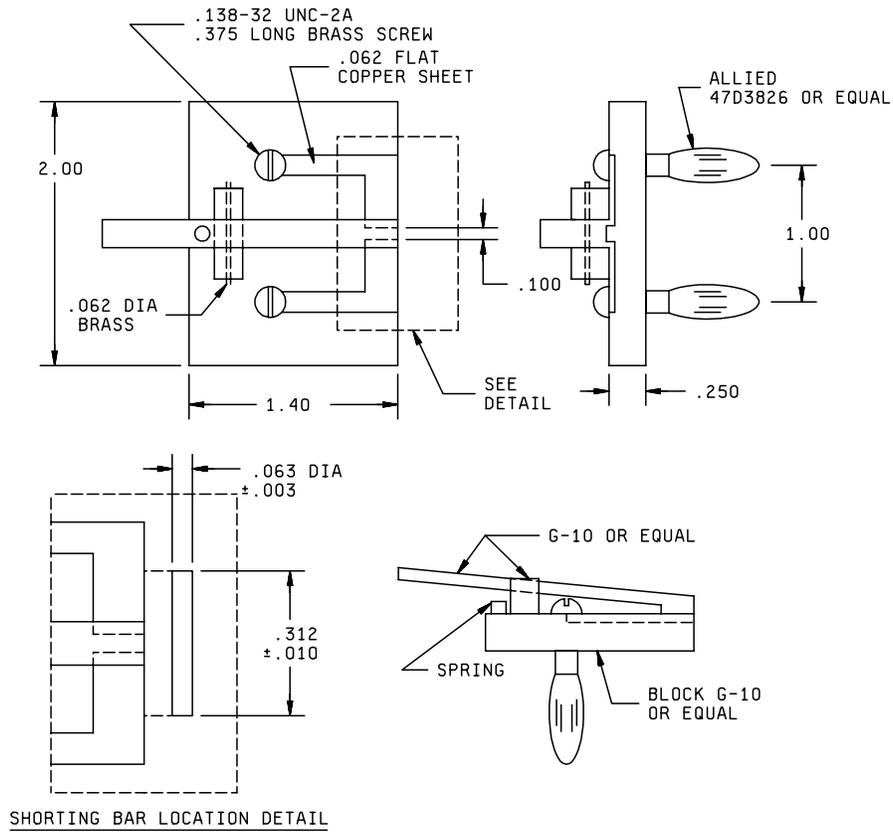
FIGURE 1. Dimensions and configuration.

TABLE I. Electrical characteristics (initial).

Dash Number	Inductance $\mu\text{H} \pm 10\%$	Q (min)	Test Frequency (L and Q) MHz	Self Resonant Frequency MHz (min)	DC Resistance Ohms (max)	Current Rating mA (max)
-01	.56	35	25	240	.19	500
-02	.68	35	25	210	.21	475
-03	.82	35	25	200	.24	444
-04	1.0	35	7.9	180	.27	418
-05	1.2	25	7.9	160	.32	385
-06	1.5	30	7.9	140	.53	300
-07	1.8	30	7.9	125	.59	283
-08	2.2	30	7.9	120	.76	250
-09	2.7	30	7.9	100	.90	229
-10	3.3	35	7.9	90	1.35	187
-11	3.9	35	7.9	85	1.70	167
-12	4.7	35	7.9	80	2.30	143
-13	5.6	35	7.9	75	3.10	123
-14	6.8	35	7.9	64	3.60	114
-15	8.2	35	7.9	50	4.8	99
-16	10.0	35	7.9	45	5.7	91
-17	12.0	25	2.5	29	3.3	120
-18	15.0	25	2.5	24	3.8	110
-19	18.0	25	2.5	21	4.2	106
-20	22.0	25	2.5	18	4.7	100
-21	27.0	25	2.5	17	5.7	91
-22	33.0	25	2.5	15	6.2	87
-23	39.0	25	2.5	13	8.1	76
-24	47.0	25	2.5	12	9.8	69
-25	56.0	25	2.5	11	12.0	62
-26	68.0	25	2.5	10	13.8	58
-27	82.0	25	2.5	9	19.0	50
-28	100.0	25	2.5	8.9	21.0	47

TABLE II. Electrical characteristics (final).

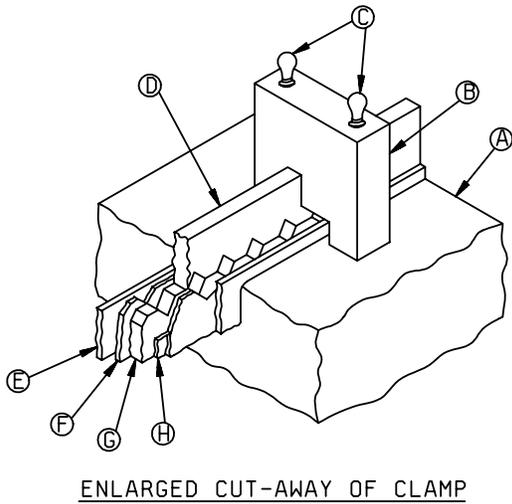
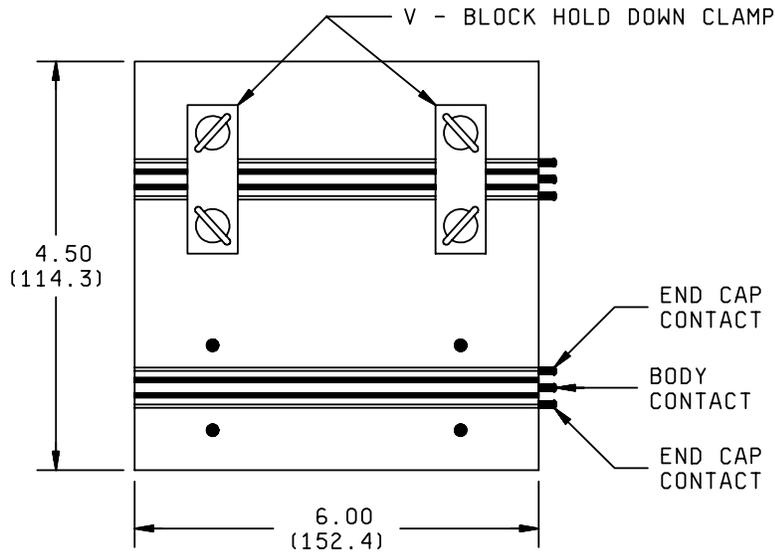
Inspection group	Allowable percent variation from the initial measurement			
Qualification Inspection:	Inductance	Q	Self-resonant Frequency	DC resistance
Group II	$\pm 5$	-10	-8	$\pm 3$ (+.001 ohm)
Group IV	$\pm 5$	-10	-10	$\pm 3$ (+.001 ohm)
Group V	$\pm 5$	-15	-----	-----
Quality Conformance Inspection:				
Group C				
Subgroup II	$\pm 5$	-15	-10	$\pm 2$ (+.001 ohm)
Subgroup IV	$\pm 5$	-10	-8	$\pm 3$ (+.001 ohm)



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Shorting bar material is brass.
4. The total fixture and residual inductance is approximately .049 $\mu$ H (for references only).

FIGURE 2. General test fixture. (TF - 397).



Legend	
LTR	Description
A	G-10 base
B	Upper V-block hold-down clamp
C	Clamp screws
D	Upper V-block (body contact)
E	End cap contact retaining wall
F	End cap contact V-block (in contact with E)
G	Lower V-block (body contact)
H	G-10 insulators (separating G from F/E)

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Metric equivalents are in parentheses.

FIGURE 3. Test fixture for insulation resistance, dielectric withstanding voltage and barometric pressure.



Custodians:  
Army - CR  
Navy - EC  
Air Force - 11

Preparing activity:  
DLA - CC  
  
(Project 5950-1208)

Review activities:  
Army - MI  
Navy - AS, OS  
Air Force - 19

NOTE: The activities listed above were interested in this document as of 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 <http://assist.daps.dla.mil>.