

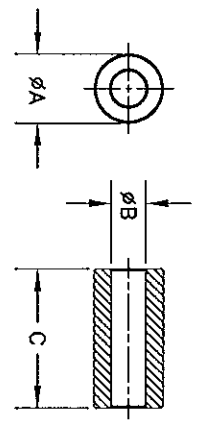
Made in China

NOTES:

- 1 - BURNISH TO BREAK SHARP EDGES.
- 2 - PACKAGING: 150 PIECES (EVERY OTHER CELL)/300 CELL [PKG-129], 3 CELLS/F2 [PKG-106] = 450 PIECES/CARTON.

SIZE	PART NO.	REV.
B	2646540402	0

UNCONTROLLED COPY WHEN PRINTED



A 13.85/14.75 7.05/7.45 27.85/29.35
.563 .285 1.126

BOLD NUMBERS ARE IN MILLIMETERS**, LIGHT NUMBERS ARE IN INCHES.

ELECTRICAL SPECIFICATIONS					
$\Sigma L/A(\text{mm}^{-1})$	l_e (mm)	A_e (mm ²)	V_e (mm ³)	L_o (nH)	IMPEDANCE (OHMS)
0.32342	31.4	97.0	3045	3.885	154 Min.

N=1 #22AWG WL=2.25"

REV.	ECN	DESCRIPTION	DRFT	DATE
REVISIONS				
APPLICABLE SPECS		TITLE		
DRAWING CLASS	MATERIAL	FAIR-RITE PRODUCTS CORP.		
Tolerances Unless Otherwise Indicated	FR# 46	ROUND SUPPRESSION CORE		
2PL	FINISH	DRAWN BY	DATE	SIZE
3PL		D. SCHULZ	05-16-2006	PART NO.
FRACT		CHKD BY		B
ANGLE		APPRVD BY		2646540402
		SCALE	NONE	REV.
		SHEET	1	0
		of	1	

ADDED TO SYSTEM PER ECN# B-7633

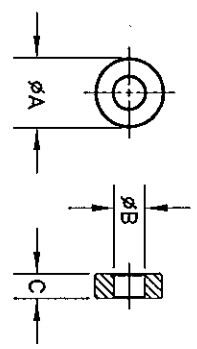
Made in China

SIZE	PART NO.	REV.
B	2646540702	0

NOTES:

- 1 - BURNISH TO BREAK SHARP EDGES.
- 2 - PACKAGING: 100 PIECES/SMALL BAG [PKG-120], 3 BAGS/BOX [PKG-101], 12 BOXES/F2 [PKG-106] = 3,600 PIECES/CARTON.

UNCONTROLLED COPY WHEN PRINTED



A	B	C
13.85/14.75 .563	6.10/6.60 .250	4.85/5.30 .200

BOLD NUMBERS ARE IN MILLIMETERS**, LIGHT NUMBERS ARE IN INCHES.

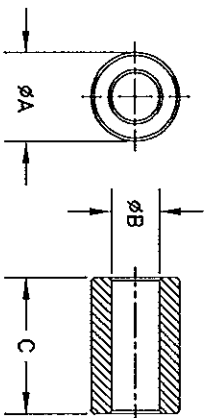
ELECTRICAL SPECIFICATIONS					
$S/A(mm^{-1})$	$l_e(mm)$	$A_e(mm^2)$	$V_e(mm^3)$	$L_o(nH)$	IMPEDANCE (OHMS)
1.5250	29.1	19.1	556	0.824	100 MHz TBD Min. N=1 #22AWG WL=1"

REV.	ECN	DESCRIPTION	DRAFT	DATE
REVISIONS				
APPLICABLE SPECS		DRAWING CLASS	TITLE	
Tolerances Unless Otherwise Indicated		MATERIAL	ROUND SUPPRESSION CORE	
2PL 3PL FRACT ANGLE		FR# 46 FINISH	FAIR-RITE PRODUCTS CORP.	
DRAWN BY J. QUINN		DATE 12-16-2004	SIZE PART NO.	REV.
CHKD BY			B 2646540702	0
APPROD BY			SCALE NONE	SHEET 1 of 1

ADDED TO SYSTEM PER ECN# B-6268

NOTES:

- 1 - BURNISH TO BREAK SHARP EDGES.
- 2 - PACKAGING: 94 PIECES/FOAM TRAY [PKG-436], 4 TRAYS/FZ [PKG-106] = 376 PIECES/CARTON.



A 18.20/19.20 9.90/10.40 27.85/29.35
.736 .400 1.126

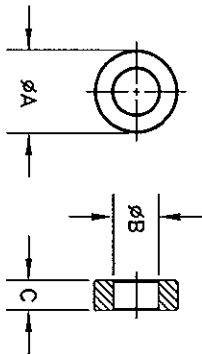
UNCONTROLLED COPY WHEN PRINTED

ELECTRICAL SPECIFICATIONS					
$SL/A(mm^{-1})$	$l_e (mm)$	$A_e (mm^2)$	$V_e (mm^3)$	$L_o (nH)$	IMPEDANCE (OHMS)
0.36031	42.6	118	5034	3.468	100 MHz
					141 Mh.
N=1 #22AWG WL=2.5"					

REV.		B		2646626402		2	
SIZE PART NO. REV.							
FAIR-RITE PRODUCTS CORP.							
ROUND SUPPRESSION CORE							
TITLE		DRAWN BY		DATE		REV.	
FR # 46		D. SCHULZ		03-16-2006		2	
FINISH		CNC BY					
APPLICABLE SPECS		DRAWING CLASS		SCALE		SHEET 1 of 1	
Tolerances Unless Otherwise Indicated		3PL 2PL FRACT ANGLE		NONE			
REV.		ECN		DESCRIPTION		DATE	
2		C-2767		UPDATED PACKAGING NOTE		D.S. 02-06-12	
1		C-1665		UPDATED PACKAGING NOTE		D.S. 06-17-10	
ADDED TO SYSTEM PER ECN# B-7634							

NOTES:

- 1 - BURNISH TO BREAK SHARP EDGES.
- 2 - PACKAGING: 91 PIECES/TRAY [PKG-133], 14 TRAYS/L1 [PKG-108] = 1,274 PIECES/CARTON.



A 17.05/17.85 9.25/9.75 6.10/6.60
 .687 .374 .250

UNCONTROLLED COPY WHEN PRINTED

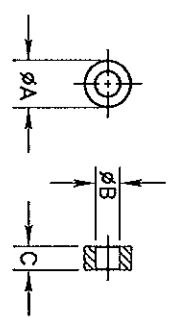
ELECTRICAL SPECIFICATIONS					
SI/A(mm ⁻¹)	l _e (mm)	A _e (mm ²)	V _e (mm ³)	L _o (nH)	IMPEDANCE (OHMS)
1.6273	39.8	24.5	975	0.772	TBD
N=1 #22AWG WL=1"					

REV. 1		PART NO. 2646665902		SIZE B	
FAIR-RITE PRODUCTS CORP.					
ROUND SUPPRESSION CORE					
TITLE		DRAWN BY DATE			
REV. 1		K. ROOSA 09-19-1996			
MATERIAL		FR# 46			
FINISH		3PL 2PL FRACT ANGLE			
APPLICABLE SPECS		DRAWMG CLASS			
REV. 1		C-1268			
DESCRIPTION		D.S. 12-28-08			
REVISIONS		DRAFT DATE			
SCALE		NONE			
SHEET		1 of 1			

ADDED TO SYSTEM PER ECN# B-6267

made in US

NOTES:
1 - BURNISH TO BREAK SHARP EDGES.



A 9.40/9.90 4.80/5.20 4.60/5.05
.380 .197 .190

BOLD NUMBERS ARE IN MILLIMETERS**, LIGHT NUMBERS ARE IN INCHES.

ADDED TO SYSTEM PER ECN# B-8744

SIZE	PART NO.	REV.
B	2652002402	0

ELECTRICAL SPECIFICATIONS

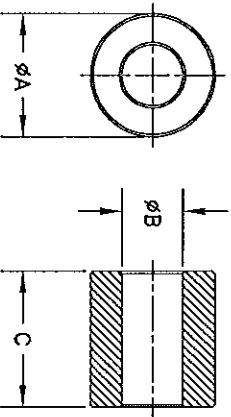
$S_L/A(mm^{-1})$	$l_e(mm)$	$A_e(mm^2)$	$V_e(mm^3)$	$L_o(nH)$	$A_L(nH)$	$\tan \delta/m_1$
1.9804	21.4	10.8	232	0.635	$\oplus 10\text{ KHz}$ $<10\text{ gauss}$	$\oplus 1\text{ MHz}$ 1 gauss
					$160 \pm 25\%$	$\leq 75 \times 10^{-6}$

REV.	ECN	DESCRIPTION	DRAFT	DATE
REVISIONS				
APPLICABLE SPECS		DRAWING CLASS	TITLE	
Tolerances Unless Otherwise Indicated		FR# 52	FAIR-RITE PRODUCTS CORP.	
2PL		FINISH	SHIELD BEAD	
3PL			DRAWN BY D. SCHULZ DATE 02-26-2007	
FRACT			CHKD BY	
ANGLE			APPROV BY	
		SCALE	NONE	SHEET 1 of 1
		SIZE	PART NO.	REV.
		B	2652002402	0

Made in US

NOTES:

1 - BURNISH TO BREAK SHARP EDGES.



A 25.15/26.65 12.55/13.05 27.80/29.40
1.020 .504 1.126

Bold numbers are in millimeters,** light numbers are in inches

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SIZE	PART NO.	REV.
B	2652102002	0

ELECTRICAL SPECIFICATIONS							
S_L/A_{kmm}^{-1}	l_e (mm)	A_e (mm ²)	V_e (mm ³)	L_o (nH)	A_L (nH) @ 10 kHz <10 gauss	$\tan d/m_1$ @ 1 MHz 1 gauss	
0.3117	56.0	180	10072	4.032	1000±25%	≤75X10E-6	

REV.	ECN	DESCRIPTION	DRAFT	DATE
REVISIONS				
APPLICABLE SPECS				
DRAWING CLASS		TITLE		
MATERIAL		FAIR-RITE PRODUCTS CORP.		
FR# 52		ROUND SUPPRESSION CORE		
Tolerances Unless Otherwise Indicated		DRAWN BY DATE		
3PL		D. SCHULZ 02-26-2007		
2PL		SIZE PART NO.		
FRACT		B 2652102002		
ANGLE		REV. 0		
APPROD BY		SCALE NONE SHEET 1 of 1		

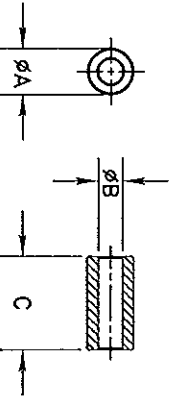
ADDED TO SYSTEM PER ECN# B-8746

1 - BURNISH TO BREAK SHARP EDGES.

2 - IMPEDANCE MEASURED ON AN HP4285A, USING A 16047E TEST FIXTURE.

3 - PARTS TO MEET FAIR-RITE PRODUCTS CORP. GENERIC VISUAL INSPECTION CRITERIA FOR SHIELD BEADS AND ROUND CABLE CORES.

4 -- PACKAGING: 352 PIECES/352 CELL [PKG-125], 4 CELLS/F2 [PKG-106] = 1,408 PIECES/CARTON
PACKAGING MUST MEET DROP TEST REQUIREMENTS AS PER ISTA PROCEDURE 1A.



A	B	C
9.25/9.75	4.85/5.35	18.65/19.45
.374	.201	.750

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ELECTRICAL SPECIFICATIONS								
St/A(mm ⁻¹)	le (mm)	Ae (mm ²)	Vc (mm ³)	Lo (nH)	IMPEDANCE (OHMS)			AL (nH) ⊗ 10 kHz
					0.5 MHz	1.0 MHz	5.0 MHz	
0.53	21.5	40.6	873	2.37	28 Min.	40 Min.	78 Min.	13.0±30%

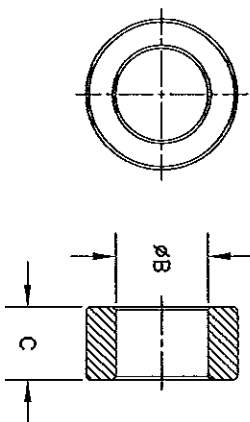
N=1 #22AWG WL=2"

3	C-3512	UPDATED IMPEDANCE MEASUREMENT EQUIPMENT	D.S.	02-22-13
2	C-3290	ADDED AL SPECIFICATION	D.S.	10-22-12
1	C-2248	UPDATED PACKAGING NOTE	D.S.	05-13-11
REV.	ECN	DESCRIPTION	DRAFT	DATE
REVISIONS				
APPLICABLE SPECS		FAIR-RITE PRODUCTS CORP.		
DRAWING CLASS		TITLE		
MATERIAL		SHIELD BEAD		
Tolerances Unless Otherwise Indicated		FR# 75		
FINISH		DRAWN BY DATE		
2PL		D. SCHULZ 09-16-2010		
3PL		CHKD BY		
FRACT		APPROD BY		
ANGLE		SCALE NONE SHEET 1 of 1		
		SIZE PART NO. REV.		
		B 2675023002 3		

Made in China

NOTES:

- 1 - BURNISH TO BREAK SHARP EDGES.
- 2 - IMPEDANCE MEASURED ON AN HP4285A, USING A 16047E FIXTURE.
- 3 - PARTS TO MEET FAIR-RITE PRODUCTS CORP. GENERIC VISUAL INSPECTION CRITERIA FOR SHIELD BEADS AND ROUND CABLE CORES.
- 4 - PACKAGING: 53 PIECES/TRAY [PKG-132], 8 TRAYS/HALF L1 [PKG-107] = 424 PIECES/CARTON. PACKAGING MUST MEET DROP TEST REQUIREMENTS AS PER ISTA PROCEDURE 1A.



A 30.40/31.60 18.40/19.60 14.70/15.30
1.220 .748 .591

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ELECTRICAL SPECIFICATIONS

$S_L/A(mm^{-2})$	$l_e(mm)$	$A_e(mm^2)$	$V_e(mm^3)$	$L_o(nH)$	IMPEDANCE (OHMS)			$A_L(nH)$ @ 10 kHz
					0.5 MHz	1.0 MHz	5.0 MHz	
0.856	75.5	88.2	6658	1.469	20 Min.	17.5 Min.	9.5 Min.	7.65±50%
N=1 #22AWG WL=1"								

3	C-3546	UPDATED ELECTRICAL TEST EQUIPMENT		D.S.	03-07-13
2	C-3414	UPDATED PACKAGING SPECIFICATIONS		D.S.	01-24-13
1	C-3291	ADDED AL SPECIFICATION		D.S.	10-22-12
REV.	ECN	DESCRIPTION		DRT	DATE

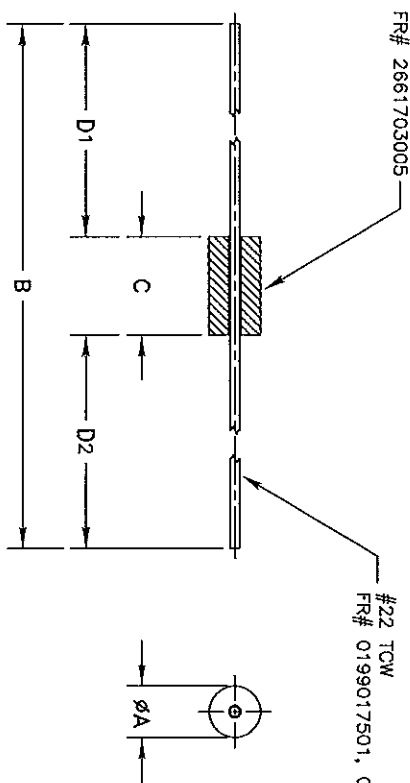
REVISIONS

APPLICABLE SPECS	DRAWING CLASS		FAIR-RITE PRODUCTS CORP.			
Tolerances Unless Otherwise Indicated	MATERIAL	FR# 75	TITLE	ROUND SUPPRESSION CORE		
2PL	FINISH		DRAWN BY	DATE	SIZE	PART NO.
3PL			D. SCHULZ	10-12-2010	B	2675821502
FRAC			CHKD BY			
ANGLE			APPROD BY		SCALE	NONE
					SHEET	1 of 1

ADDED TO SYSTEM PER ECN# C-1825

Model 1100bix

SIZE	PART NO.	REV.
B	2761003111	9



A 3.25/3.75 60.50/63.50 6.45/6.95 D1-D2
.138 2.440 .264 ± 1.5 Max
 $\pm .059$ Max

BOLD NUMBERS ARE IN MILLIMETERS**, LIGHT NUMBERS ARE IN INCHES.

ELECTRICAL SPECIFICATIONS			
IMPEDANCE (OHMS)			
100 MHZ	250 MHZ	500 MHZ	
64 Min.	86 Min.	98 Min.	

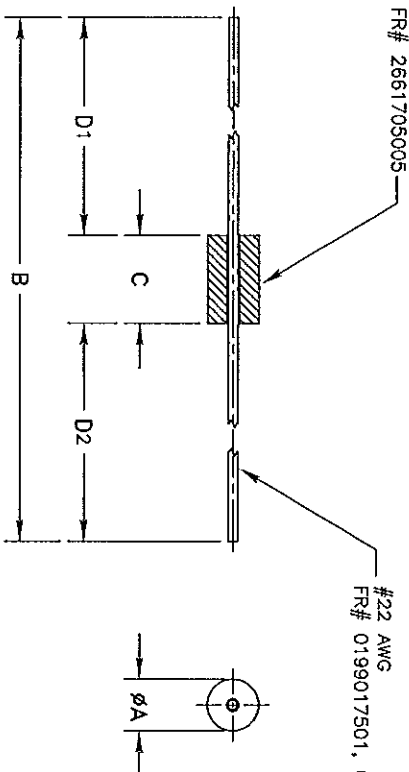
NOTES:

- 1 - PARTS TO MEET FAIR-RITE PRODUCTS CORP. GENERIC VISUAL INSPECTION CRITERIA FOR SHIELD BEADS.
- 2 - IMPEDANCE MEASURED ON A HP4191A, USING A 16092A TEST FIXTURE, WITH COMPENSATION, AND A WIRE LENGTH OF 20mm [.8"].
- 3 - PART MEETS FAIR-RITE PRODUCTS CORP. SOP# ELC-55 SPECIFICATION FOR THERMAL SHOCK RESISTANCE.
- 4 - WIRE MEETS FAIR-RITE PRODUCTS CORP. SOP# ELC-57, SPECIFICATION FOR SOLDERABILITY.
- 5 - PART IS BULK PACKAGED: 250 PIECES/BAG, 40 BAGS/L1 = 10,000 PIECES/CARTON. PLACE ONE OXIDATION ARREST STRIP IN EACH BAG. ROOL & TAPE BAG CLOSED.

REV.	ECN	DESCRIPTION	DRFT	DATE
9	B-8777	ADDED BEAD PART NUMBER & REMOVED NOTE REFERENCING BEAD DIMENSIONS	D.S.	03-27-07
8	B-8694	ADDED WIRE LENGTH TO IMPEDANCE MEASUREMENT	D.S.	02-18-07
7	B-8141	UPDATED NOTES	D.S.	08-11-06
6	B-5971	REMOVE "Lf" DESIGNATION	J.Q.	11-08-04
5	B-5310	ADDED FR# 2761003111LF TO PRINT	D.S.	04-21-04
4	B-4648	ADDED IMPEDANCE SPECIFICATION @ 500 MHZ	D.S.	10-01-03
3	B-4404	ADDED NOTE NO. 3: PACKAGING	D.S.	07-29-03
2	B-147	DELETED WIRE NOTES	J.L.	02-14-01
1	A-1113	CHANGED "A" DIMENSION	J.L.	08-31-00
REVISIONS				
APPLICABLE SPECS				
DRAWING CLASS		FAIR-RITE PRODUCTS CORP.		
MATERIAL		BEAD-ON-LEAD ASSEMBLY		
FR# 61				
FINISH				
Tolerances Unless Otherwise Indicated				
2PL	3PL	DRAWN BY K. ROOSA	DATE 08-19-1996	REV. 9
FRACT	ANGLE	CHKD BY		
		APPRVD BY	SCALE: NONE	SHEET 1 OF 1

Made in China

SIZE	PART NO.	REV.
B	2761005111	9



A 3.25/3.75 60.50/63.50 5.75/6.25 D1-D2 ±1.5 Max
.138 2.440 .236 ±.059 Max

BOLD NUMBERS ARE IN MILLIMETERS**, LIGHT NUMBERS ARE IN INCHES.

ELECTRICAL SPECIFICATIONS			
IMPEDANCE (OHMS)			
100 MHZ	250 MHZ	500 MHZ	
56 Min.	77 Min.	88 Min.	

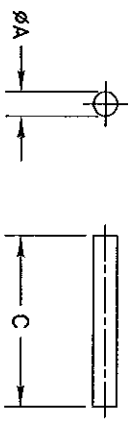
- NOTES:
- 1 - PARTS TO MEET FAIR-RITE PRODUCTS CORP. GENERIC VISUAL INSPECTION CRITERIA FOR SHIELD BEADS.
 - 2 - IMPEDANCE MEASURED ON A HP4191A, USING A 16092A TEST FIXTURE, WITH COMPENSATION, AND A WIRE LENGTH OF 18mm [.7"].
 - 3 - PART MEETS FAIR-RITE PRODUCTS CORP. SOP# ELC-55 SPECIFICATION FOR THERMAL SHOCK RESISTANCE.
 - 4 - WIRE MEETS FAIR-RITE PRODUCTS CORP. SOP# ELC-57, SPECIFICATION FOR SOLDERABILITY.
 - 5 - PART IS BULK PACKAGED: 250 PIECES/BAG, 40 BAGS/L1 = 10,000 PIECES/CARTON. PLACE ONE OXIDATION ARREST STRIP IN EACH BAG. ROLL & TAPE BAG CLOSED.

REV.		ECN	DESCRIPTION		DFT	DATE
9	B-8779	ADDED BEAD PART NUMBER & REMOVED NOTE REFERENCING BEAD DIMENSIONS	D.S.	03-30-07		
8	B-8693	ADDED WIRE LENGTH TO IMPEDANCE MEASUREMENT	D.S.	02-23-07		
7	B-8142	UPDATED NOTES	D.S.	08-12-06		
6	B-6215	REMOVED "Lf" DESIGNATION	J.Q.	12-13-04		
5	B-5310	ADDED FR# 2761005111LF TO PRINT	D.S.	04-22-04		
4	B-4648	ADDED IMPEDANCE SPECIFICATION @ 500 MHZ	D.S.	10-01-03		
3	B-4404	ADDED NOTE NO. 3: PACKAGING	D.S.	07-29-03		
2	B-147	DELETED WIRE NOTES	J.L.	02-14-01		
1	A-1113	CHANGED "A" DIMENSION	J.L.	08-31-00		
REVISIONS						
APPLICABLE SPECS			DRAWING CLASS	TITLE		
Tolerances Unless Otherwise Indicated			FR# 61	BEAD-ON-LEAD ASSEMBLY		
2PL	3PL	FRACT	FINISH	DRAWN BY	DATE	REV.
				K. ROOSA	08-19-1996	
				CHKD BY		
				APPRD BY		
SCALE: NONE				SHEET 1 OF 1		

Made in US

SIZE	PART NO.	REV.
B	3067990891	1

UNCONTROLLED COPY WHEN PRINTED



A
4.96/5.04
.197

C
34.20/35.80
1.378

BOLD NUMBERS ARE IN MILLIMETERS**, LIGHT NUMBERS ARE IN INCHES.

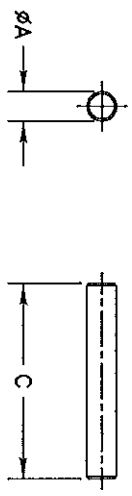
ADDED TO SYSTEM PER ECN# B-2568

APPLICABLE SPECS		DRAWING CLASS	TITLE	
Tolerances Unless Otherwise Indicated		FR# 67	FAIR-RITE PRODUCTS CORP.	
FINISH		SOLID ROD		
2PL	3PL	DRAWN BY	DATE	SIZE PART NO.
FRAC	ANGLE	D. SCHULZ	06-28-2002	B 3067990891
		APPROD BY	SCALE	SHEET 1 of 1
			NONE	

REV.	ECN	DESCRIPTION	D.S.	DATE
1	B-9903	"C" DIMENSION WAS 34.30/35.70 mm [1.378]	09-03-09	

Made in US

SIZE	PART NO.	REV.
B	3067990901	1



A
5.95/6.05
.236

C
39.20/40.80
1.575

BOLD NUMBERS ARE IN MILLIMETERS**, LIGHT NUMBERS ARE IN INCHES.

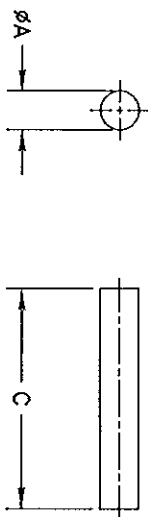
ADDED TO SYSTEM PER ECN# B-2569

APPLICABLE SPECS		DRAWING CLASS		TITLE		FAIR-RITE PRODUCTS CORP.	
TD-0114		MATERIAL		FINISH		SOLID ROD	
Tolerances Unless Otherwise Indicated		FR# 67		DRAWN BY		DATE	
2PL		3PL		D. SCHULZ		05-28-2002	
FRACT		ANGLE		APPROD BY		SCALE	
NONE		NONE		SHEET 1		of 1	

REV.	ECN	DESCRIPTION	D.S.	DATE
1	B-7816	STANDARDIZED PRINT FORMAT	05-19-06	

Made in US

SIZE	PART NO.	REV.
B	3067990911	1



^A
7.95/8.05
.315

^C
44.10/45.90
1.772

BOLD NUMBERS ARE IN MILLIMETERS**, LIGHT NUMBERS ARE IN INCHES.

ADDED TO SYSTEM PER ECN# B-2570

1	B-7818	STANDARDIZED DRAWING FORMAT	D.S.	05-19-06
REV.	ECN	DESCRIPTION	DRFT	DATE
REVISIONS				
APPLICABLE SPECS		DRAWING CLASS	TITLE	
TD-0717		MATERIAL	FAIR-RITE PRODUCTS CORP.	
Tolerances Unless Otherwise Indicated		FR# 67	SOLID ROD	
2PL		FINISH	DRAWN BY DATE	
3PL			D. SCHULZ 05-28-2002	
FRACT		APPROD BY	SIZE PART NO.	
ANGLE			B 3067990911	
		SCALE	NONE	REV.
		SHEET	1	1
		of	1	

Mouser Electronics

Authorized Distributor

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Fair-Rite:

[3067990901](#) [2761003111](#) [2646665902](#) [2652102002](#) [3067990891](#) [2652002402](#) [2761005111](#) [3067990911](#)
[2646540702](#) [2646540402](#)