

PRODUCT CHANGE NOTIFICATION

Fair-Rite Products Corp.
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Fair-Rite P/N : 2744040447 new Rev . Level : 12 PCN date : 12/20/2024

Fair-Rite Internal ECN # : D-1592 effective date : 12/20/2024

☒ [x] standard item ☐ [] non standard item

Part Description : 44 material Three Line SM Bead

Customer P/N reference (if any) : _____

type of change ☐ [] discontinued

☒ [x] dimensional ☐ [] electrical ☒ [x] detail / feature

Detail(s) of the change : Change to Conductor Assembly Specifications

Remove Skew Specification and make E dimensions "Typ."

add note 8 and G dimension : about allowable distance between adjacent conductors.

Reason for change(s) : ☒ [x] FR logistics ☒ [x] quality issue
 ☐ [] low activity ☒ [x] capability issue ☐ [] standardization

☐ [] part is to become obsolete suggested alternate P/N : _____

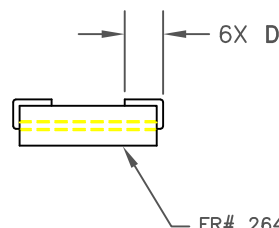
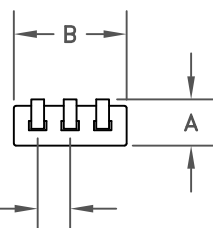
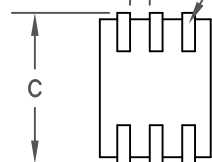
last time build date : N/A

last time buy date : N/A ☐ [] existing inventory

customer notes

SEE NOTE No. 8
4X G →

3X 0.50mm W X 0.25mm T FLAT WIRE
FR# 0100017201, OR APPROVED EQUIVALENT



A	B	C	D
1.95 Max	4.30/4.70	6.40 Max	1.00/2.00
.077 Max	.177	.252 Max	.059
	E	G	
	1.27 Typ	0.38/1.20	
	.050 Typ	.031	

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

ELECTRICAL SPECIFICATIONS

IMPEDANCE [Ohms]	
25 MHz	100 MHz
23 Min.	45 Min.

MINIMUM BREAKDOWN VOLTAGE = 500 VDC BETWEEN CONDUCTORS

12	D-1592	ADDED "G" SPECIFICATION & NOTE No. 8, "E" SPECIFICATION WAS 1.22mm/1.32mm [.050"]	D.S.	02-20-24
11	C-9443	UPDATED SKEW & COPLANARITY SPECIFICATIONS	D.S.	07-12-21
10	C-3915	UPDATED NOTE No. 6	D.S.	10-30-13
9	B-9721	ADDED WIRE SOLDERABILITY SPECIFICATION	D.S.	05-01-08
8	B-6453	"D" DIMENSION WAS 1.00/1.80mm [.055"] & IMPEDANCE @ 100 MHz WAS 44.8 Min.	D.S.	02-08-05
7	B-6233	REMOVED "LF" DESIGNATION	J.Q.	12-16-04
6	B-5278	"A" WAS 1.55mm/1.95mm [.069"] & "C" WAS 5.80mm/6.40mm [.240"]	D.S.	04-07-04
REV.	ECN	DESCRIPTION	DRFT	DATE

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NOTES:

- 1 - WIRE TO BE OXYGEN FREE, HIGH CONDUCTIVITY COPPER.
- 2 - WIRE MEETS SOLDERABILITY SPECIFICATION WHEN TESTED PER FAIR-RITE PRODUCTS CORP. SOP# ELC-57.
- 3 - THIS PART MEETS FAIR-RITE PRODUCTS' VISUAL INSPECTION CRITERIA FOR SURFACE MOUNT BEADS.
- 4 - PART MEETS FAIR-RITE PRODUCTS' SOP ELC-27 FOR THERMAL SHOCK RESISTANCE.
- 5 - IMPEDANCE MEASURED USING AN HP4191A ON A 16092A TEST FIXTURE.
- 6 - THIS PART TO BE TAPED AND REELED PER EIA STANDARD 481 AND IEC 60286-3, 4,000 PIECES PER REEL, 12 REELS IN PLASTIC BAG/CARTON. ONE 2" X 3" OXIDATION ARREST STRIP INSIDE PLASTIC BAG.
- 7 - COPLANARITY BETWEEN LEADS: 0.20mm (.008") MAX.
- 8 - "G" SPECIFIES THE ALLOWABLE DISTANCE BETWEEN ADJACENT CONDUCTORS.

SIZE	PART NO.	REV.
B	2744040447	12

5	B-5143	ADDED FR# 2744040447LF TO PRINT	D.S.	03-18-04
4	B-5108	ADDED MINIMUM BREAKDOWN VOLTAGE REQUIREMENT	D.S.	03-03-04
3	B-4386	ADDED NOTE No. 7: COPLANARITY	D.S.	07-16-03
2	B-1704	STANDARDIZED MECHANICAL SPECIFICATIONS	D.S.	01-22-02
1	A-1643	ADDED NOTES	J.J.	11-29-00
REV.	ECN	DESCRIPTION	DRFT	DATE
REVISIONS				
APPLICABLE SPECS		DRAWING CLASS	FAIR-RITE PRODUCTS CORP.	
Tolerances Unless Otherwise Indicated		MATERIAL	TITLE	
3PL		FR# 44	THREE - WAY SURFACE MOUNT BEAD	
2PL		FINISH	DRAWN BY	DATE
FRACT			S. ZAMONSKY	12-21-1998
ANGLE			CHKD BY	
			APPRVD BY	
			SIZE	PART NO.
			B	2744040447
			SCALE:	NONE
			SHEET 1 OF 1	
			REV.	12