

# EVB-MDPX-00010

## Evaluation Board, Passive MMIC 20.3GHz Diplexer/Reflectionless Filter

### DEVICE OVERVIEW

#### General Description

The EVB-MDPX-00010 is a connectorized evaluation board for the MDPX-00010CSP3 is a MMIC surface mount diplexer featuring a 20.3 GHz crossover frequency.

[Download s-parameters here](#)

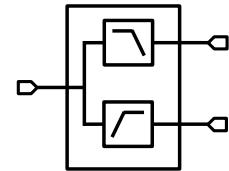
#### Features

N/A

#### Applications

N/A

#### Functional Block Diagram



#### Part Ordering Options

Part Number	Description	Package	Green Status	Product Lifecycle	Export Classification
MDPX-00010CSP3	Passive MMIC 20.3 GHz Diplexer/Reflectionless Filter	CSP3	RoHS REACH	Released	EAR99
EVB-MDPX-00010	Evaluation Board, Passive MMIC 20.3GHz Diplexer/Reflectionless Filter	EVB	RoHS REACH	Released	EAR99

## **EVB-MDPX-00010**

### **Evaluation Board, Passive MMIC 20.3GHz Diplexer/Reflectionless Filter**

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#### **Revision History**

<b>Revision Code</b>	<b>Revision Date</b>	<b>Comment</b>
-	2025-10-21	Initial Release

# EVB-MDPX-00010

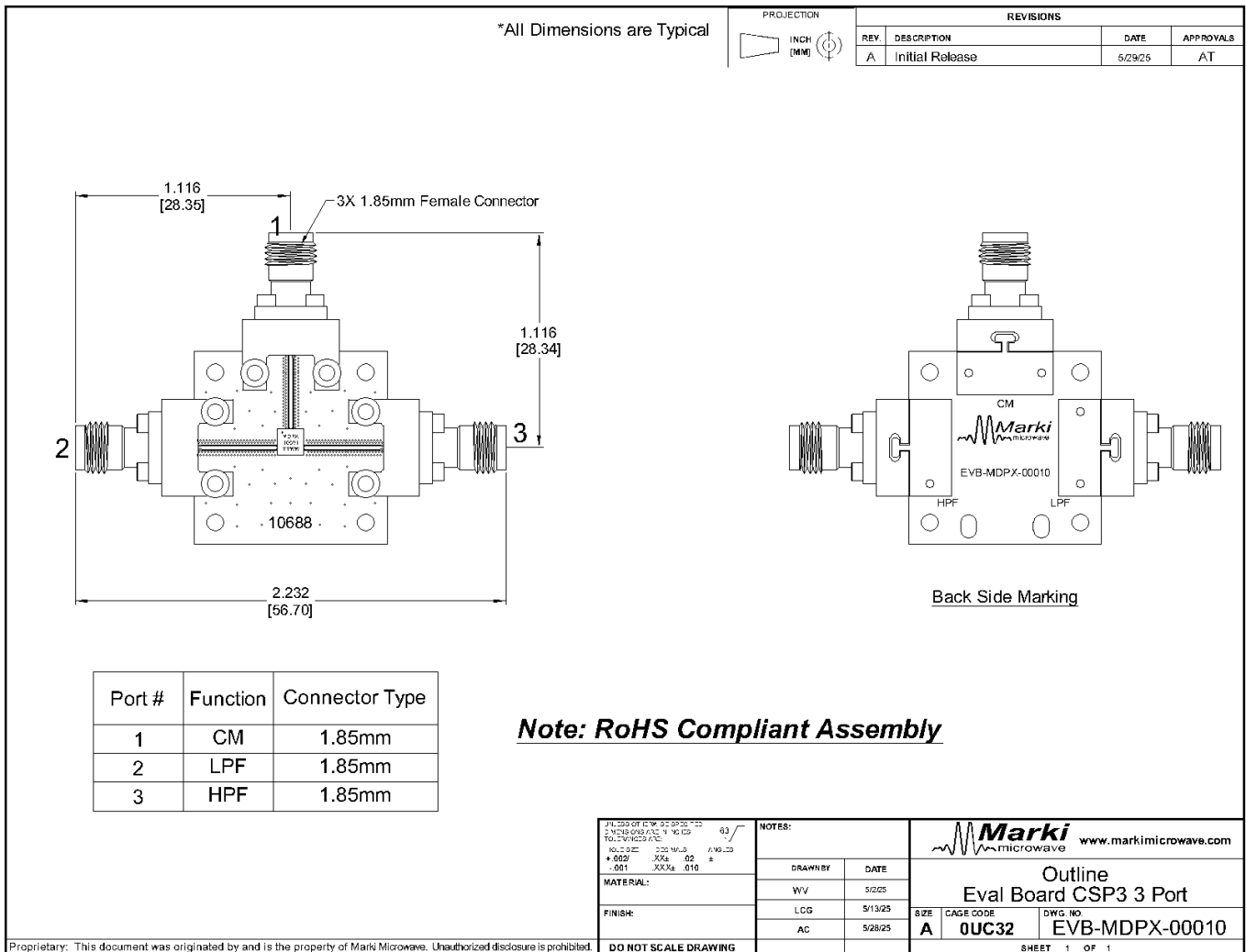
Evaluation Board, Passive MMIC 20.3GHz  
Diplexer/Reflectionless Filter

## Mechanical Data

### Outline Drawing

Download : [Outline 2D Drawing](#)

\*All Dimensions are Typical



REY.	DESCRIPTION	DATE	APPROVALS
A	Initial Release	5/28/25	AT

Port #	Function	Connector Type
1	CM	1.85mm
2	LPF	1.85mm
3	HPF	1.85mm

**Note: RoHS Compliant Assembly**

<p>JUL 28 09 07 W 32 28 25 10          2 1/2 INCH (63.5) ± 0.125          TOL. 2.5X MICRONS (25)          10.000 ± 0.002 10.000 ± 0.002          +0.002 .XX ± .02 ±          .001 .XX ± .010 ±</p> <p>MATERIAL:</p> <p>FINISH:</p> <p>DO NOT SCALE DRAWING</p>	<p>NOTES:</p> <table border="1" style="width: 100%;"> <tr> <th>DRAWN BY</th> <th>DATE</th> </tr> <tr> <td>WV</td> <td>5/22/25</td> </tr> <tr> <th>LCG</th> <th>DATE</th> </tr> <tr> <td>AC</td> <td>5/28/25</td> </tr> </table>	DRAWN BY	DATE	WV	5/22/25	LCG	DATE	AC	5/28/25	<p style="text-align: center;"><b>Marki</b> www.markimicrowave.com</p> <p style="text-align: center;">Outline Eval Board CSP3 3 Port</p> <table border="1" style="width: 100%;"> <tr> <th>SIZE</th> <th>CAGE CODE</th> <th>DWG. NO.</th> </tr> <tr> <td>A</td> <td>0UC32</td> <td>EVB-MDPX-00010</td> </tr> </table> <p style="text-align: right;">SHEET 1 OF 1</p>	SIZE	CAGE CODE	DWG. NO.	A	0UC32	EVB-MDPX-00010
DRAWN BY	DATE															
WV	5/22/25															
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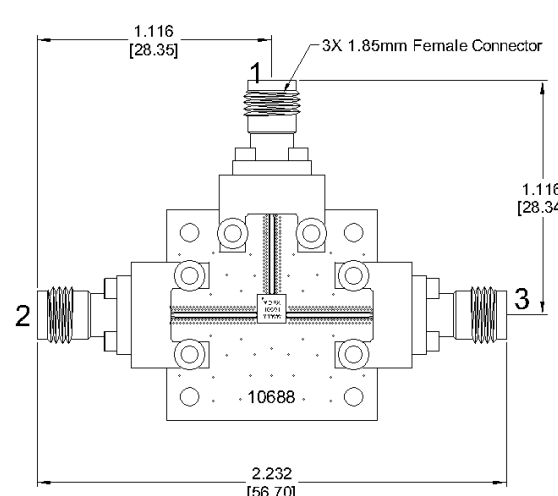
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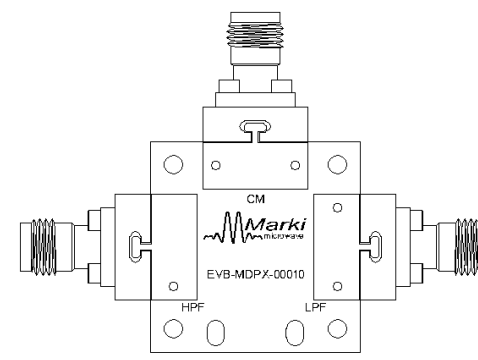
# EVB-MDPX-00010

Evaluation Board, Passive MMIC 20.3GHz  
Diplexer/Reflectionless Filter

## Evaluation Board - Outline Drawing

\*All Dimensions are Typical





Back Side Marking

Port #	Function	Connector Type
1	CM	1.85mm
2	LPF	1.85mm
3	HPF	1.85mm

**Note: RoHS Compliant Assembly**

314.253 OF 12-14 02-28-25 112  
 5 N 210 010 171 1 16 129  
 TOL 2 N 1223 171

10.1.253 210 171-3 1716.23  
 +.002 171 02 ±  
 -.001 171 010

MATERIAL:

FINISH:

NOTES:

DRAWN BY	DATE
WV	5/2/25
LCG	5/13/25
AC	5/28/25

**Marki**  
microwave www.markimicrowave.com

Outline  
Eval Board CSP3 3 Port

SIZE	CAGE CODE	DWG. NO.
A	0UC32	EVB-MDPX-00010

SHEET 1 OF 1

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