



Mini-Circuits

COAXIAL

Adapter

DINFR-DINF+

50Ω DC to 6 GHz Right Angle DIN Female to DIN Female

KEY FEATURES

- Ultra-Wideband, DC to 6 GHz
- Low Insertion Loss, 0.07 dB Typ. to 6 GHz
- Excellent VSWR, 1.20:1 Typ. to 6 GHz
- Right Angle Body



Generic photo used for illustration purposes only

PRODUCT OVERVIEW

Mini-Circuits' DINFR-DINF+ is a coaxial DIN female right angle to DIN female adapter supporting a wide range of applications from DC to 6 GHz. This model provides excellent VSWR and low insertion loss over the frequency band. The DINFR-DINF+ features passivated stainless-steel construction with a gold-plated beryllium copper center pin and measures only 1.693" in length.

ELECTRICAL SPECIFICATIONS¹ AT +25 °C

Parameter	Frequency (GHz)	Min.	Typ.	Max.	Units
Frequency Range		DC		6	GHz
Insertion Loss	0.01–6	–	0.07	0.30	dB
VSWR	0.01–6	–	1.20	1.30	:1

1. Specifications are tested to minimum frequency of 0.01 GHz.

ABSOLUTE MAXIMUM RATINGS²

Operating Case Temperature	-45 °C to +125 °C
Storage Temperature	-45 °C to +125 °C

2. Permanent damage may occur if any of these limits are exceeded.





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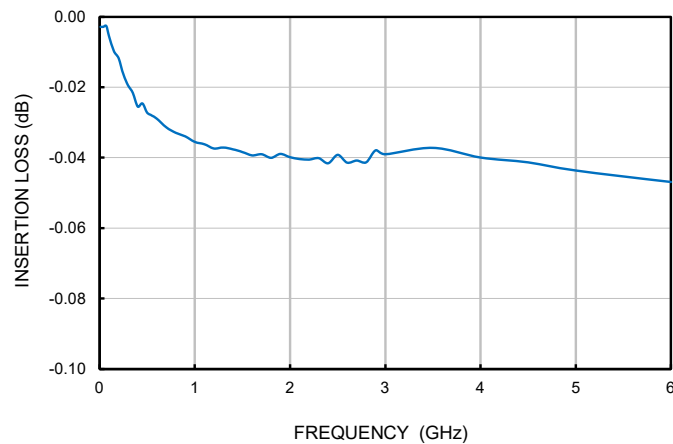
Adapter

DINFR-DINF+

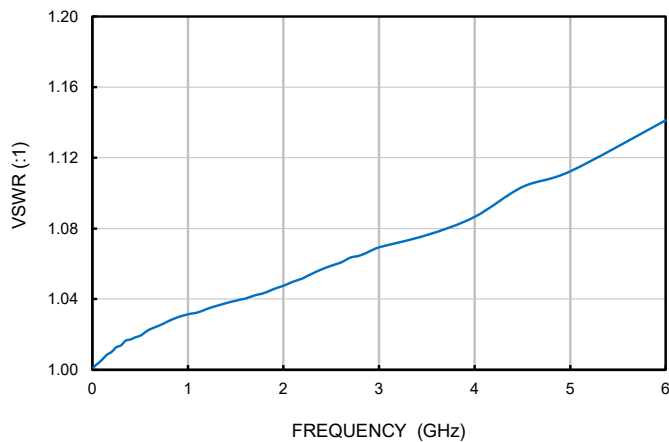
50 Ω DC to 6 GHz Right Angle DIN Female to DIN Female

TYPICAL PERFORMANCE GRAPHS

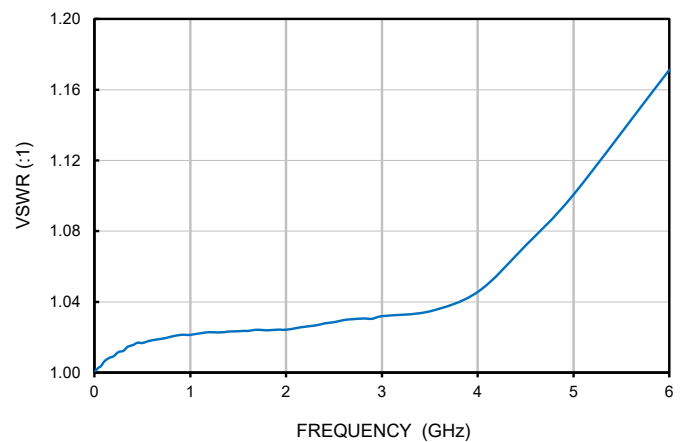
INSERTION LOSS (+25 °C)



DIN FEMALE VSWR (+25 °C)



DIN FEMALE VSWR (+25 °C)





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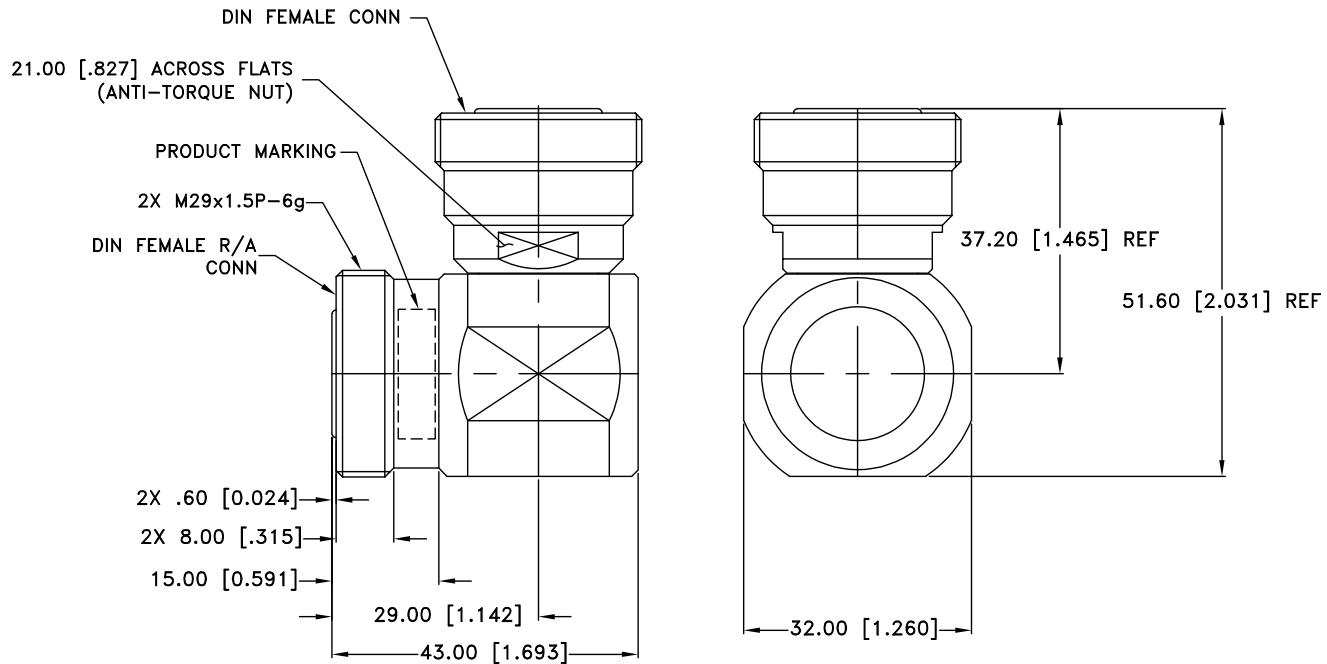
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50Ω DC to 6 GHz Right Angle DIN Female to DIN Female

CONNECTOR SPECIFICATIONS

Description	Connector 1	Connector 2
Connector Type	DIN Female	DIN Female
Orientation	Right Angle	Straight

CASE STYLE DRAWING



Dimensions are in mm [Inches]. Tolerances: 2 Pl.±0.40 mm

PRODUCT MARKING*: DINFR-DINF+

*Marking may contain other features or characters for internal lot control.





ADDITIONAL INFORMATION IS AVAILABLE ON OUR DASHBOARD

[CLICK HERE](#)

Performance Data & Graphs	Data
	Graphs
	S-Parameter (S2P Files) Data Set (.zip file)
Case Style	DJ3844
RoHS Status	Compliant
Environmental Ratings	ENV152

NOTES

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuits' applicable established test performance criteria and measurement instructions.
- C. The parts covered by this specification document are subject to Mini-Circuits' standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the standard terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/terms/viewterm.html

Adapter, DIN-Female Right Angle to DIN-Female DINFR-DINF+

Typical Performance Data

FREQ.	INSERTION LOSS	DIN-FEMALE VSWR	DIN-FEMALE VSWR
(GHz)	(dB)	(:1)	(:1)
0.01	0.00	1.00	1.00
0.04	0.00	1.00	1.00
0.07	0.00	1.00	1.00
0.10	0.01	1.01	1.01
0.15	0.01	1.01	1.01
0.20	0.01	1.01	1.01
0.25	0.02	1.01	1.01
0.30	0.02	1.01	1.01
0.35	0.02	1.02	1.01
0.40	0.02	1.02	1.02
0.45	0.02	1.02	1.02
0.50	0.03	1.02	1.02
0.55	0.03	1.02	1.02
0.60	0.03	1.02	1.02
0.70	0.03	1.03	1.02
0.80	0.03	1.03	1.02
0.90	0.03	1.03	1.02
1.00	0.03	1.03	1.02
1.10	0.03	1.04	1.03
1.20	0.04	1.04	1.03
1.30	0.04	1.04	1.03
1.40	0.04	1.04	1.03
1.50	0.04	1.04	1.03
1.60	0.04	1.05	1.03
1.70	0.04	1.05	1.03
1.80	0.04	1.05	1.03
1.90	0.04	1.05	1.03
2.00	0.04	1.06	1.03
2.10	0.04	1.06	1.04
2.20	0.04	1.06	1.04
2.30	0.04	1.06	1.04
2.40	0.04	1.07	1.04
2.50	0.04	1.07	1.04
2.60	0.04	1.07	1.04
2.70	0.04	1.08	1.04
2.80	0.04	1.08	1.05
2.90	0.04	1.08	1.05
3.00	0.04	1.09	1.05
3.50	0.04	1.10	1.06
4.00	0.05	1.12	1.07
4.50	0.05	1.14	1.10
5.00	0.05	1.14	1.12
6.00	0.05	1.15	1.15

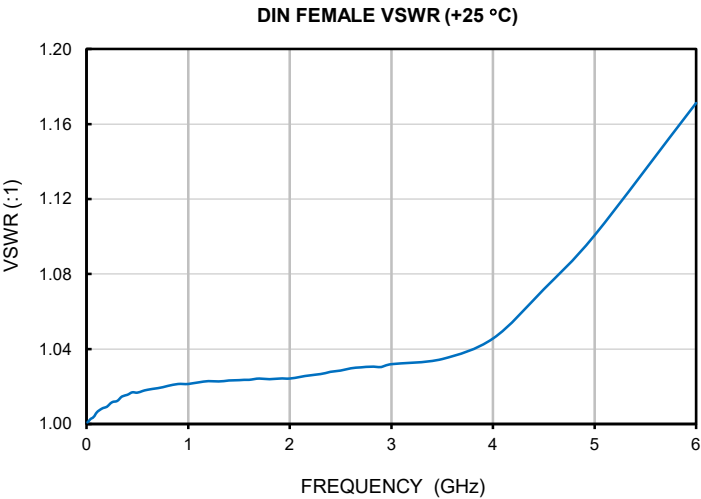
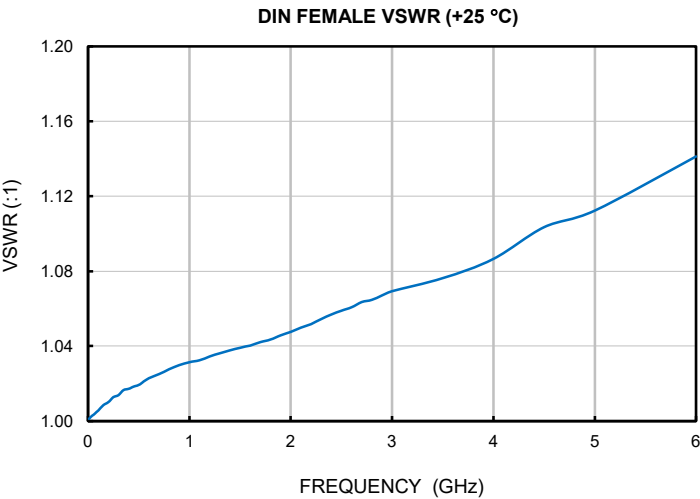
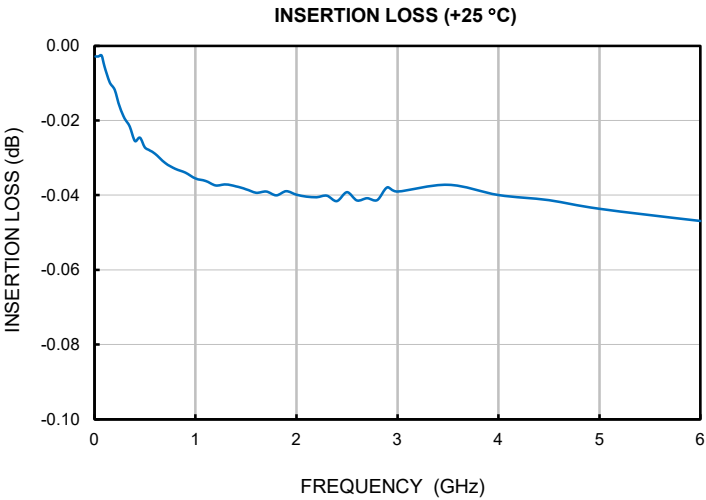


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IF/RF MICROWAVE COMPONENTS

REV. OR
DINFR-DINF+
5/27/2026
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Typical Performance Curves

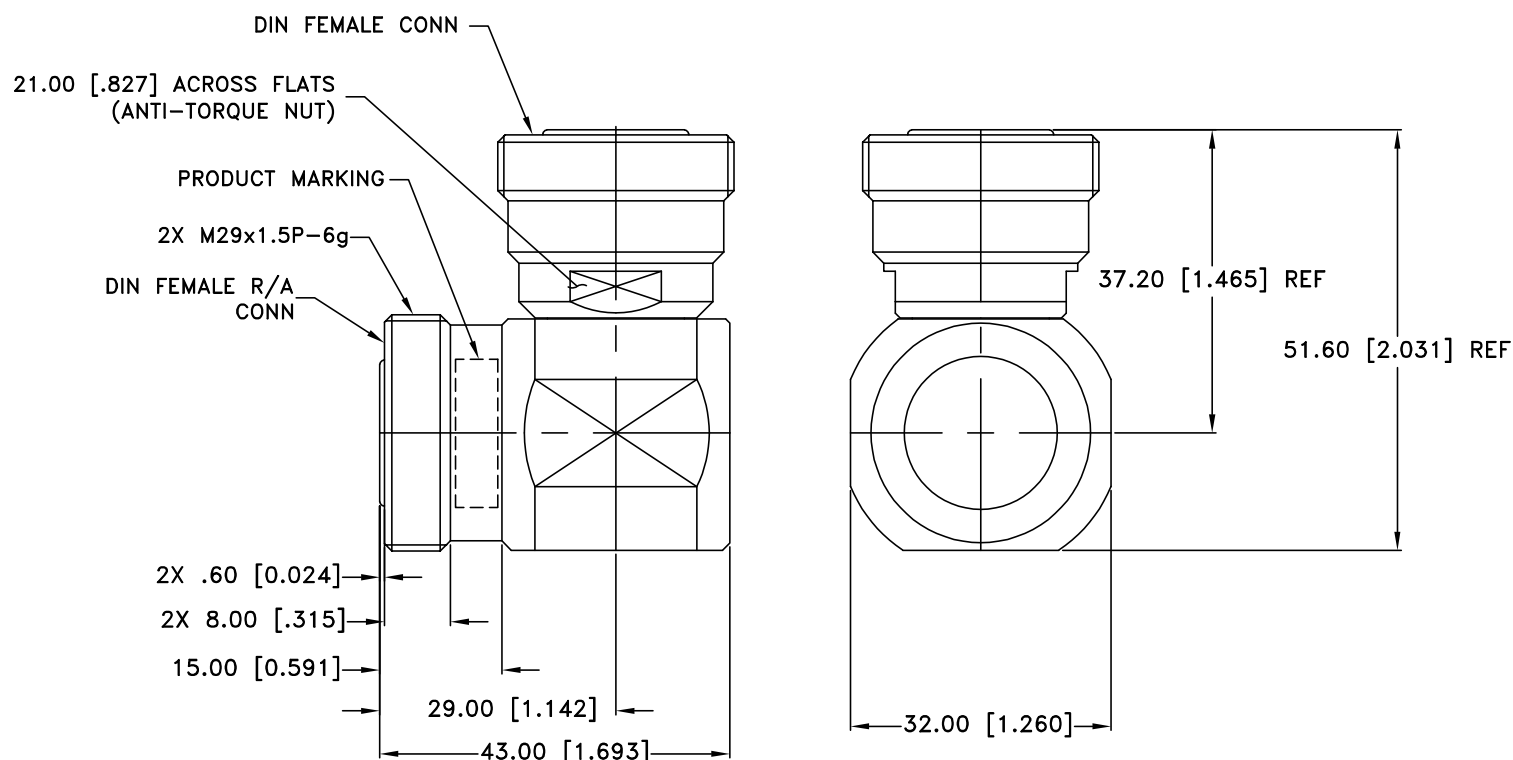


Case Style

Outline Dimensions

DJ

DJ3844



Dimensions are in MM [INCHES]. Tolerances: 2 Pl.±0.40 mm

Notes:

Case material: Brass.
Finish: Tri Metal Alloy Plating.

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All Mini-Circuits products are manufactured under exacting quality assurance and control standards, and are capable of meeting published specifications after being subjected to any or all of the following physical and environmental test.

Specification	Test/Inspection Condition	Reference/Spec
Operating Temperature	-45° to +125° C	Individual Model Data Sheet
Storage Temperature	-45° to +125° C	Individual Model Data Sheet
Thermal Shock	-55° to +125° C, 5cycles, 15 min dwell time	MIL-STD-202, Method 107, Condition B except -55° C instead of -65° C
Connector Durability	500 mating/unmating cycles	MIL-PRF-39012E, PARAGRAPH 4.6.12