

SMA Female to G3PO Male Full Detent Adapter

SMA female to G3PO male full detent adapter part number SM8941 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to G3PO adapter has a female to male gender configuration. SM8941 SMA female to G3PO male adapter operates to 26 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.3:1 maximum. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors.

RF adapters can be used to enable connections between two connector types that would otherwise not mate. Certain RF adapter configurations can also be used to protect connectors on expensive equipment where the number of connect and disconnect cycles is high. An RF, microwave, or millimeter wave adapter is connected to the equipment and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Fairview Microwave also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		26	GHz
VSWR			1.3:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 18	18 to 26				GHz
VSWR, Max	1.2:1	1.3:1				

Electrical Specification Notes:
 Values at 25°C, sea level.

Mechanical Specifications

Size	
Length	0.801 in [20.35 mm]
Width	0.278 in [7.06 mm]
Weight	0.008 lbs [3.63 g]

Description	Connector 1	Connector 2
Type	SMA Female	G3PO Male
Connection Method		Full Detent
Polarity	Standard	Standard
Mating Cycles	500	



Configuration:

- SMA Female Connector 1
- Full Detent G3PO Male Connector 2
- 50 Ohm
- Straight Body Geometry

Features:

- VSWR of 1.3:1 max up to 26 GHz
- Contact plating according to MIL-G-45204
- Gold over Nickel Plated Beryllium Copper Contact

Applications:

- Enables Between Series Connections
- General Purpose Test

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Material Specifications

Description	Connector 1	Connector 2
Type	SMA Female	G3PO Male
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold over Nickel	Gold over Nickel
Contact Plating Spec.	MIL-G-45204	MIL-G-45204
Insulation Material	PTFE	PTFE
Outer Contact Material	Passivated Stainless Steel	
Body Material		Passivated Stainless Steel

Environmental Specifications

Temperature

Operating Range

-55 to +125 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

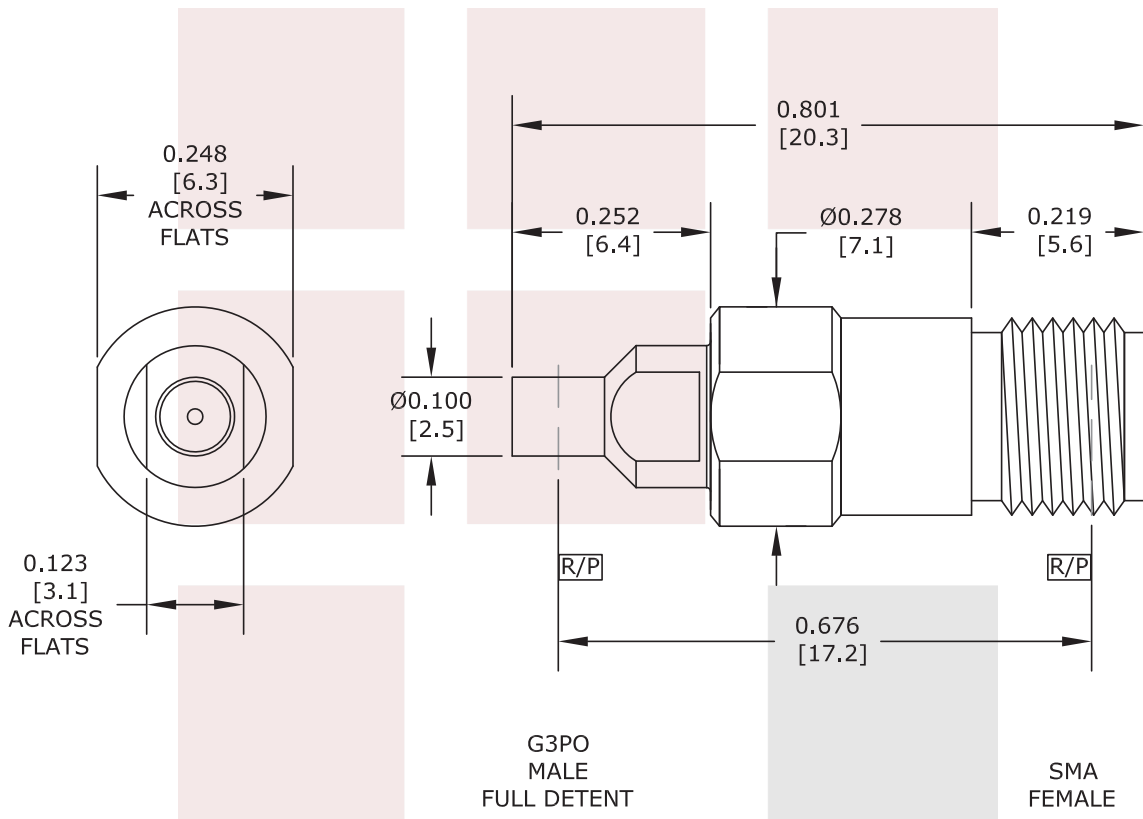
Notes:

SMA Female to G3PO Male Full Detent Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Female to G3PO Male Full Detent Adapter SM8941](#)

URL: <https://www.fairviewmicrowave.com/sma-female-g3po-female-adapter-sm8941-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

FAIRVIEW MICROWAVE INC.		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		DWG NO		CAGE CODE	
TITLE SMA Female to G3PO Male Full Detent Adapter		SM8941		3FKR5	
CAD FILE	101416	SHEET	SCALE	SIZE	41742
			N/A	A	