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Telegartner 7-16 Straight Jack G23 (1/2'' Flex) SIMFix

SKU
ACC-TG-00029
MPN
100024482

Description

The Telegärtner 7-16 Straight Jack G23 (1/2'' Flex) SIMFix is a high-performance coaxial RF connector designed for demanding telecommunications and data communication applications. It features a 7/16 DIN Female connector with a straight body, suitable for free-hanging mounting. This connector is engineered to attach seamlessly to 1/2" corrugated cable types using a captivated attachment mechanism, ensuring secure and reliable connections.

Constructed from brass with copper alloy inner contacts, this connector boasts excellent conductivity and durability. Its PTFE/Teflon insulator ensures high resistance to temperature fluctuations, making it suitable for environments ranging from -40 °C to 85 °C. The connector can handle a peak power of 2 kW and maintains an input impedance of 50 Ω, making it ideal for high-frequency applications up to 3 GHz.

The Telegärtner 7-16 Straight Jack G23 is designed for robustness, withstanding over 500 mating...

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Telegärtner

As family-owned company the Telegärtner Group has developed to an international network of affiliated companies specialising in intermediate and end products for telecommunications and data communications for customers with the most exacting demands for high-tech applications over the last 70 years.

Since the company was set up in 1945 Telegärtner has seen steady growth and has continually expanded ...

RF Connector Interface

RF Interface	Body Shape	Mounting
7/16 DIN Female	Straight	Free Hanging

RF Specification

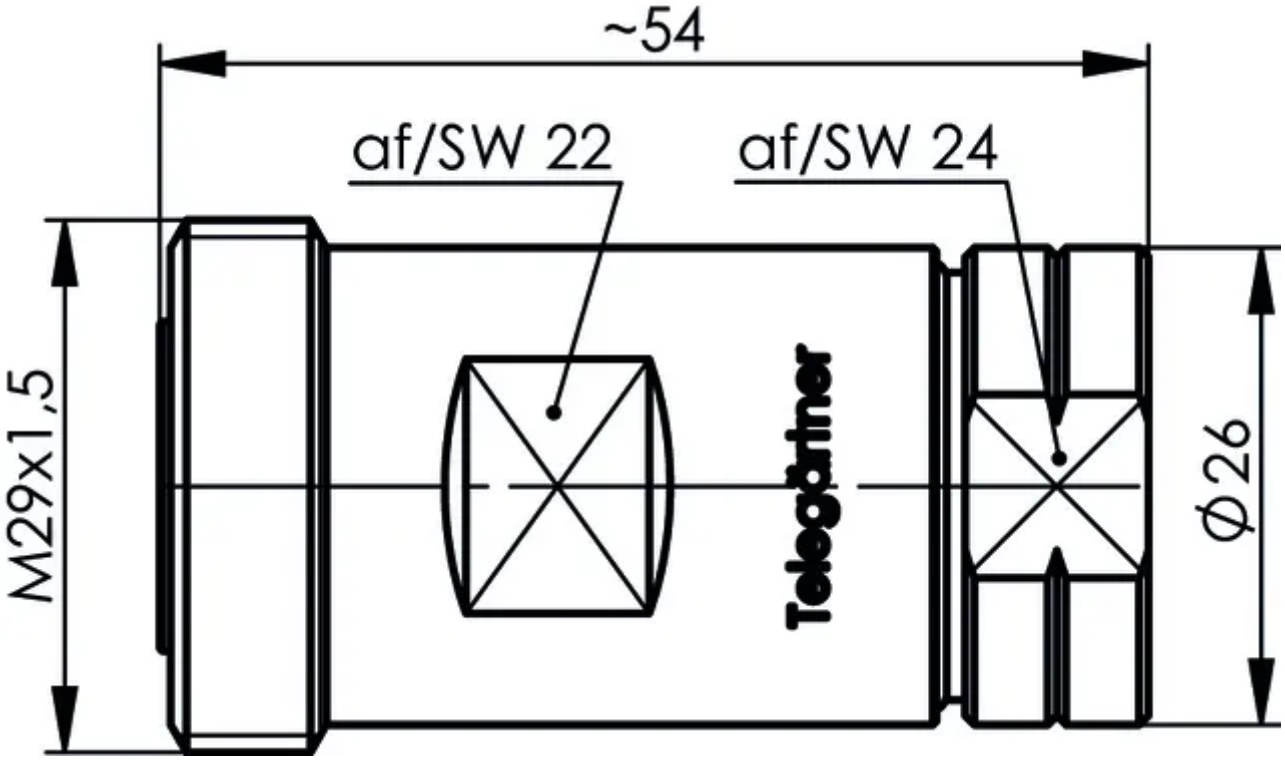
Start Frequency
0 GHz
Stop Frequency
3 GHz
Peak Power
1.8 kW
PIM, 3rd Order
≤ -155 dBc
Input Impedance
50 Ω
Inner Contact Resistance
≤ 0.4 mΩ
Insulation Resistance
≥ 10000 mΩ
Outer Contact Resistance

≤ 0.2 mΩ
RF Operating Voltage
≤ 2700 Vrms
VSWR Measurement

Frequency	Return Loss	Insertion Loss
1000 MHz	≤ 40 dB	0.03 dB
2000 MHz	≤ 36 dB	0.08 dB
3000 MHz	≤ 34 dB	0.18 dB

Physical Specification

Cable Group
1/2 Corrugated
Body Material
Brass
Insulator Material
PTFE / Teflon
Dimensions
55 x 26
Weight
160 g
Compliance/Certifications
RoHS
Mechanical Compliance
IEC 60529: IP Code
Conductor Attachment
Cable, Captivated
Contact Material
Copper Alloy
Contact Plating
Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)
Min. Operating Temperature
-40 °C
Max. Operating Temperature
85 °C
Ingress Protection
IP68
Mating Cycles
> 500
Drawing



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