



## HF05

6 GHz | PCB PAD GSG

### Electrical specifications

Temperature [°C]	-45°...+100°
Current INTERNAL [A]	0.1
Current CIRCULAR [A]	0.5
Impedance [Ohm]	50
Frequency [GHz]	6

### Mechanical specifications

	GROUND PINS	SIGNAL (RIGID)	GROUND BODY
Preload (cN)	65	-	240
Spring force at nt (cN ±20%)	80	-	270
Nominal travel (mm)	0.3	-	0.5
Maximum travel (mm)	0.6	-	3.0

### Materials and plating

Contact SIGNAL	BeCu	gold plated
Contact GROUND	BeCu	gold plated
Barrel	Brass	gold plated
Spring GROUND PIN	Spring steel	silver plated
Spring GROUND	Stainless steel	unplated
Receptacle	Brass	gold plated

### Accessories

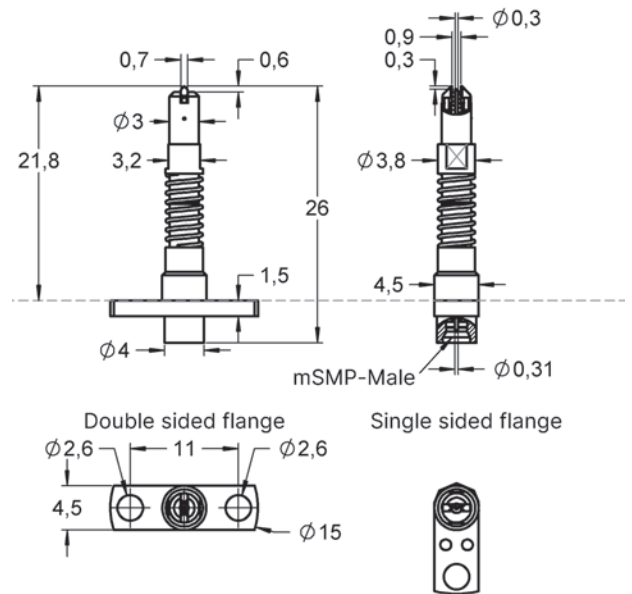
Interface	mSMP Male	see page 128
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### Order code Product name

1024471	HF05PCBGSG016G430MSMPmFV01 (Double sided flange)
1024472	HF05PCBGSG016G430MSMPmFV02 (Single sided flange)

### Series drawing

All measurements are in mm.



### Radio Frequency performance

Typical <b>insertion loss</b>	DC	3 GHz
	up to 3 GHz	up to 6 GHz
Maximum	0.6 dB	1.0 dB
Typical <b>return loss</b>	DC	3 GHz
	up to 3 GHz	up to 6 GHz
Minimum	14 dB	14 dB

This table shows the reference values in the middle and at the end of the recommended frequency.