



HF830

6 GHz | FAKRA Male

Electrical specifications

Temperature [°C]	-45°...+100°
Current INTERNAL [A]	3
Current CIRCULAR [A]	10
Impedance [Ohm]	50
Frequency [GHz]	6

Mechanical specifications

	SIGNAL	GROUND
Preload (cN)	50	100
Spring force at nt (cN ±20%)	140	400
Nominal travel (mm)	2.5	2.0
Maximum travel (mm)	3.0	3.0

Materials and plating

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

Accessories

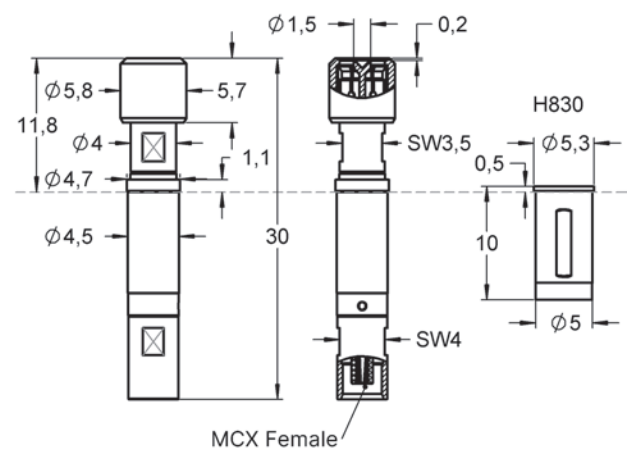
1042164	H830	Receptacle
1017393	FEWZ-822E0	Insertion tool receptacle
1043444	F08305B150G120	Inner pin
1035933	FZWZ-005	Assembly tool
Interface	MCX Female	see page 130

Order code Product name

1050705	HF830FAKRAm016G540MCXmP
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Series drawing

All measurements are in mm.





HF830

6 GHz | FAKRA Female

Electrical specifications

Temperature [°C]	-45°...+100°
Current INTERNAL [A]	3
Current CIRCULAR [A]	10
Impedance [Ohm]	50
Frequency [GHz]	6

Mechanical specifications

	SIGNAL	GROUND
Preload (cN)	50	100
Spring force at nt (cN ±20%)	90	400
Nominal travel (mm)	1.0	2.0
Maximum travel (mm)	2.9	3.0

Materials and plating

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

Accessories

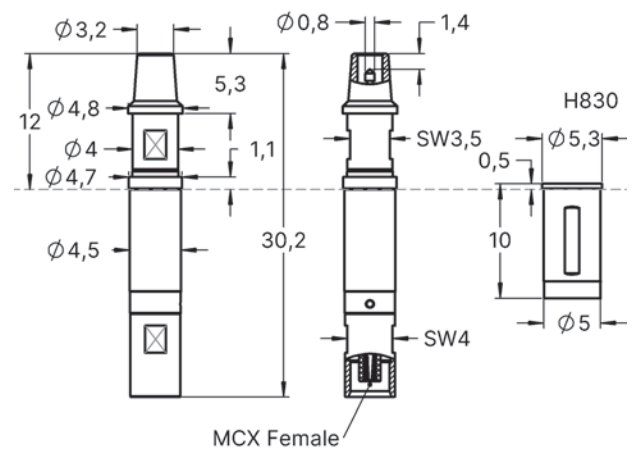
1042164	H830	Receptacle
1017393	FEWZ-822E0	Insertion tool receptacle
1051175	F08302B080G120	Inner pin
1035933	FZWZ-005	Assembly tool
Interface	MCX Female	see page 130

Order code Product name

1051176	HF830FAKRAF016G490MCXfP
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Series drawing

All measurements are in mm.





HF830

4 GHz | SMA Male

Electrical specifications

Temperature [°C]	-45°...+100°
Current INTERNAL [A]	3
Current CIRCULAR [A]	10
Impedance [Ohm]	50
Frequency [GHz]	4

Mechanical specifications

	SIGNAL	GROUND
Preload (cN)	50	100
Spring force at nt (cN ±20%)	100	400
Nominal travel (mm)	1.7	2.0
Maximum travel (mm)	3.0	3.0

Materials and plating

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

Accessories

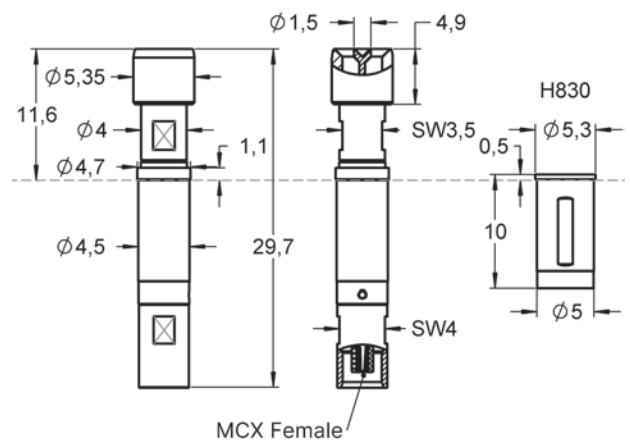
1042164	H830	Receptacle
1017393	FEWZ-822E0	Insertion tool receptacle
1043444	F08305B150G120	Inner pin
1035933	FZWZ-005	Assembly tool
Interface	MCX Female	see page 130

Order code Product name

1133673	HF830SMAm014G500MCXFP
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Series drawing

All measurements are in mm.





HF830

5 GHz | SMB Male

Electrical specifications

Temperature [°C]	-45°...+100°
Current INTERNAL [A]	3
Current CIRCULAR [A]	10
Impedance [Ohm]	50
Frequency [GHz]	5

Mechanical specifications

	SIGNAL	GROUND
Preload (cN)	50	100
Spring force at nt (cN ±20%)	120	400
Nominal travel (mm)	2.0	2.0
Maximum travel (mm)	3.0	3.0

Materials and plating

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

Accessories

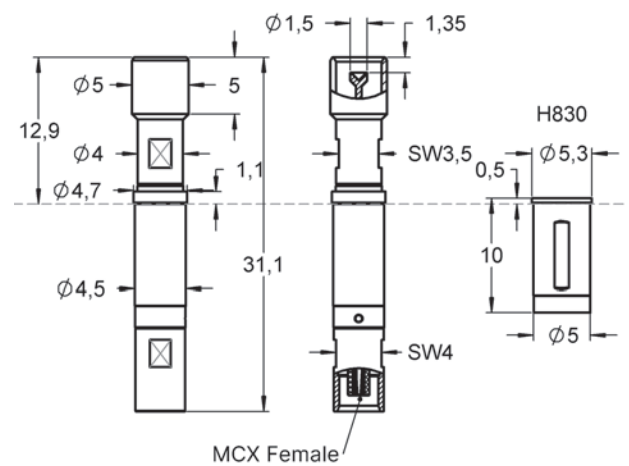
1042164	H830	Receptacle
1017393	FEWZ-822E0	Insertion tool receptacle
1043444	F08305B150G120	Inner pin
1035933	FZWZ-005	Assembly tool
Interface	MCX Female	see page 130

Order code Product name

1043724	HF830SMBm015G520MCXFP
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Series drawing

All measurements are in mm.





HF830

5 GHz | SMC Male

Electrical specifications

Temperature [°C]	-45°...+100°
Current INTERNAL [A]	3
Current CIRCULAR [A]	10
Impedance [Ohm]	50
Frequency [GHz]	5

Mechanical specifications

	SIGNAL	GROUND
Preload (cN)	50	100
Spring force at nt (cN ±20%)	120	400
Nominal travel (mm)	2.0	2.0
Maximum travel (mm)	3.0	3.0

Materials and plating

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

Accessories

1042164	H830	Receptacle
1017393	FEWZ-822E0	Insertion tool receptacle
1043444	F08305B150G120	Inner pin
1035933	FZWZ-005	Assembly tool
Interface	MCX Female	see page 130

Order code Product name

1043723	HF830SMCm015G520MCXfP
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Series drawing

All measurements are in mm.

