

FP090DF-L047

0.11 mm Pitch | Single acting

Electrical specifications

Current [A]	0.25	
R TYP [mOhm]	<600	
Self Inductance [nH]	1.89	
	Socket [Pitch 0.15]	Probe Card [Pitch 0.11]
Frequency at -1dB [GHz]	33	43

Mechanical specifications

Temperature [°C]	-45°+120°
Preload [cN]	0.8
Spring force at nt [cN ±20%]	4.5
Nominal travel [mm]	0.40
Maximum travel [mm]	0.50

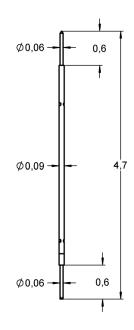
Materials and plating

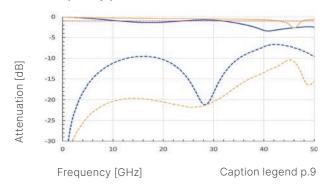
Top Plunger	Palladium alloy	unplated
Bottom Plunger (rigid)	Palladium alloy	unplated
Barrel	Nickel	gold plated (inside)
Spring	Spring steel	gold plated
Drill size recommendation		[mm]

Drill size recommendation [mm] For barrel-Ø of probe 0.12 - 0.14

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice	
1135965	FP090DF0329P006U005L047	03	29	0.06	FM Choice	



FP110DF-L047

0.15 mm Pitch | Single acting

Electrical specifications

Current [A]	0.25	
R TYP [mOhm]	<500	
Self Inductance [nH]	1.72	
	Socket [Pitch 0.15]	Probe Card [Pitch 0.17]
Frequency at -1dB [GHz]	33	42

Mechanical specifications

Temperature [°C]	-45°+120°
Preload [cN]	1.7
Spring force at nt [cN ±20%]	6.0
Nominal travel [mm]	0.40
Maximum travel [mm]	0.50

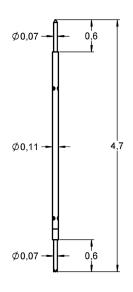
Materials and plating

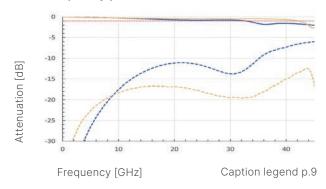
Top Plunger	Palladium alloy	unplated
Bottom Plunger (rigid)	Palladium alloy	unplated
Barrel	Nickel	gold plated (inside)
Spring	Spring steel	gold plated
Drill size recommendation		[mm]

Drill size recommendation	[mm]
For barrel-Ø of probe	0.12 - 0.14

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice	
1040994	FP110DF0329P007U006L047	03	29	0.07	FM Choice	



FP200D-L037

0.30 mm Pitch | Double acting

Electrical specifications

Current [A]	0.8	
R TYP [mOhm]	<100	
Self Inductance [nH]	1.27	
	Socket	Probe Card
Frequency at -1dB [GHz]	22	42.5

Mechanical specifications

Temperature [°C]	-45°+120°	
Preload [cN]	7	5
Spring force at nt [cN ±20%]	17	13
Nominal travel [mm]	0.40	0.40
Maximum travel [mm]	0.50	0.50

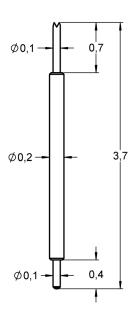
Materials and plating

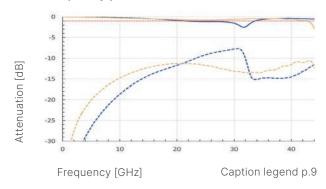
Top Divisor	BeCu	gold plated
Top Plunger	Palladium alloy	unplated
Bottom Plunger	BeCu	gold plated
Barrel	Nickel	gold plated
Spring	Spring steel	gold plated

Drill size recommendation	[mm]
For barrel-Ø of probe	0.21 - 0.23

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1023002	FP200D0301B010G017L037	03	01	0.07	FM Choice
1023129	FP200D2901B010G017L037	29 🚬	01	0.10	FM Choice
1030448	FP200D2901P010U013L037	29 🗾	01	0.10	FM Choice



FP200DF-L045

0.30 mm Pitch | Single acting

Electrical specifications

Current [A]	0.7	
R TYP [mOhm]	<500	
Self Inductance [nH]	1.62	
	Socket	Probe Card
Frequency at -1dB [GHz]	275	38.5

Mechanical specifications

Temperature [°C]	-45°+120°	
Preload [cN]	10	
Spring force at nt [cN ±20%]	15	
Nominal travel [mm]	0.30	
Maximum travel [mm]	0.45	

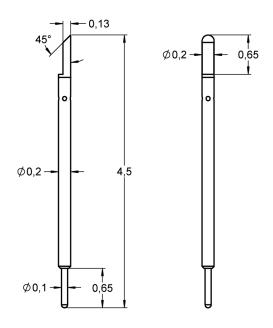
Materials and plating

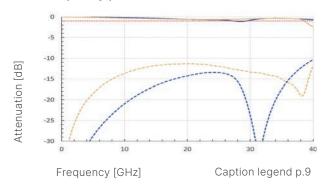
Top Plunger	BeCu	gold plated (rigid)
Bottom Plunger	BeCu	gold plated
Barrel	Nickel	gold plated (inside)
Spring	Spring steel	gold plated

Drill size recommendation	[mm]
For barrel-Ø of probe	0.21 - 0.23

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1024610	FP200DF7111B020G015L045	71 🚄	11	0.13	
1030202	FP200DF7111P020U015L045	71	11 🚤	0.13	



FP210D-L057

0.30 mm Pitch | Double acting

Electrical specifications

Current [A]	0.5	
R TYP [mOhm]	<150	
Self Inductance [nH]	1.86	
	Socket	Probe Card
Frequency at -1dB [GHz]	14	29

Mechanical specifications

Temperature [°C]	-45°+120°	
Preload [cN]	3.5	3
Spring force at nt [cN ±20%]	11	16
Nominal travel [mm]	0.60	0.50
Maximum travel [mm]	1.00	0.60

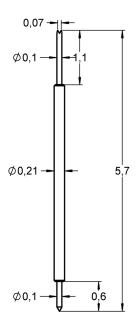
Materials and plating

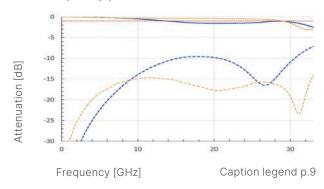
Top Plunger	BeCu	gold plated
Bottom Plunger	BeCu	gold plated
Barrel	Nickel	gold plated
Spring	Spring steel	gold plated

Drill size recommendation	[mm]
For barrel-Ø of probe	0.22 - 0.24

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1031798	FP210D0303B010G016L057	03	03	0.10	
1024774	FP210D2903B010G011L057	29 🚬	03	0.10	



FP260D-L072

0.35 mm Pitch | Double acting | High temperature version

Electrical specifications

Current [A]	1.5	
R typ [mOhm]	<100	
Self Inductance [nH]	2.07	
	Socket	Probe Card
Frequency at -1dB [GHz]	22.5	27.5

Mechanical specifications

Temperature [°C]	-45°+150°	
Preload [cN]	7	
Spring force at nt [cN ±20%]	25	
Nominal travel [mm]	0.80	
Maximum travel [mm]	1.00	

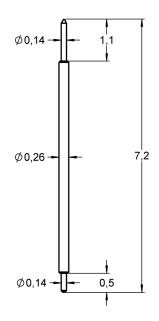
Materials and plating

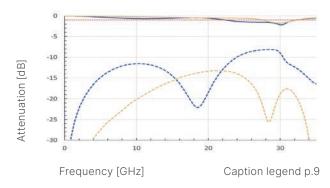
Top Plunger	BeCu	gold plated
Bottom Plunger	BeCu	gold plated
Barrel	Nickel	gold plated
Spring	Stainless steel	gold plated

Drill size recommendation	[mm]
For barrel-Ø of probe	0.27 - 0.30

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1023003	FP260D0301B014G025L072	03	01	0.14	FM Choice
1023128	FP260D2901B014G025L072	29 🛌	01	0.14	FM Choice



FP280DF-L033

0.35 mm Pitch | Single acting

Electrical specifications

Current [A]	2.5	
R TYP [mOhm]	-	
Self Inductance [nH]	0.82	

Mechanical specifications

Temperature [°C]	-45°+150°	
Preload [cN]	2.5	
Spring force at nt [cN ±20%]	10	
Nominal travel [mm]	0.30	
Maximum travel [mm]	0.47	

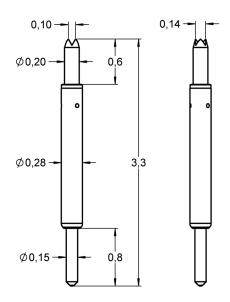
Materials and plating

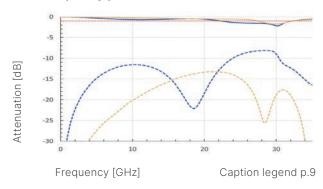
Top Plunger (rigid)	Palladium alloy	unplated
Bottom Plunger	Palladium alloy	unplated
Barrel	Bronze	gold plated
Spring	Stainless steel	gold plated

Drill size recommendation	[mm]
For barrel-Ø of probe	0.29 - 0.31

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1120799	FP280DF2911P020U010L033	29	11 🚤	0.20	



FP280D-L054

0.35 mm Pitch | Double acting

Electrical specifications

Current [A]	1.5	
R TYP [mOhm]	<125	
Self Inductance [nH]	1.36	
	Socket	Probe Card
Frequency at -1dB [GHz]	11	31.5

Mechanical specifications

Temperature [°C]	-45°+120°	
Preload [cN]	6	
Spring force at nt [cN ±20%]	25	
Nominal travel [mm]	0.50	
Maximum travel [mm]	0.08	

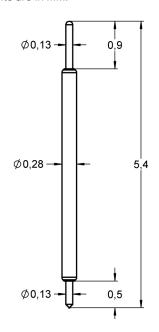
Materials and plating

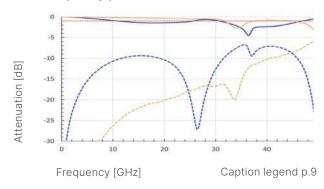
Top Plunger	Palladium alloy	unplated
Bottom Plunger	BeCu	gold plated
Barrel	Bronze	gold plated
Spring	Spring steel	gold plated

Drill size recommendation	[mm]
For barrel-Ø of probe	0.29 - 0.31

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1087982	FP280D1101P013U025L054	11	01	0.13	



FP280D-L057

0.35 mm Pitch | Double acting

Electrical specifications

Current [A]	1.5	
R TYP [mOhm]	<100	
Self Inductance [nH]	1.44	
	Socket	Probe Card
Frequency at -1dB [GHz]	10	27.5

Mechanical specifications

Temperature [°C]	-45°+120°	
Preload [cN]	6	6
Spring force at nt [cN ±20%]	25	30
Nominal travel [mm]	0.50	0.65
Maximum travel [mm]	0.80	1.10

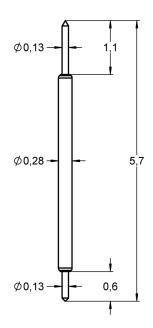
Materials and plating

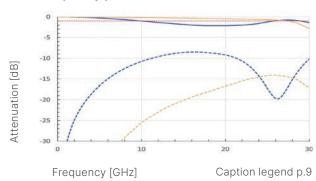
T Di	BeCu	gold plated
Top Plunger	Palladium alloy	unplated
Bottom Plunger	BeCu	gold plated
Barrel	Bronze	gold plated
Spring	Spring steel	gold plated Frequency [GHz]

Drill size recommendation	[mm]
For barrel-Ø of probe	0.29 - 0.31

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1031135	FP280D0301B013G025L057	03	01	0.13	FM Choice
1031133	FP280D2901B013G025L057	29 🚬	01	0.13	
1030726	FP280D0301P013U030L057	03	01	0.13	



FP280D-L057H

0.35 mm Pitch | Double acting | High temperature version

Electrical specifications

Current [A]	1.5	
R TYP [mOhm]	<125	
Self Inductance [nH]	1.44	
Frequency at -1dB [GHz]	11.5	

Mechanical specifications

Temperature [°C]	-45°+150°	
Preload [cN]	6	
Spring force at nt [cN ±20%]	15	
Nominal travel [mm]	0.50	
Maximum travel [mm]	0.80	

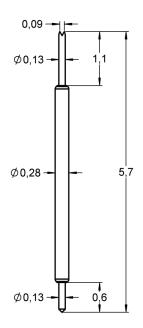
Materials and plating

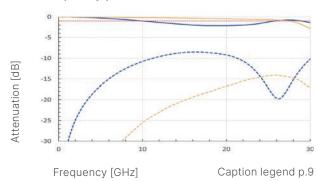
Tan Division	BeCu	gold plated
Top Plunger	Palladium alloy	unplated
Bottom Plunger	BeCu	gold plated
Barrel	Bronze	gold plated
Spring	Stainless steel	gold plated

Drill size recommendation	[mm]
For barrel-Ø of probe	0.29 - 0.31

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1035118	FP280D0101B013G015L057	01	01	0.13	
1031136	FP280D0301B013G015L057	03 🚤	01	0.13	
1031132	FP280D0301P013U015L057	03	01	0.13	
1031134	FP280D2901B013G015L057	29 🚬	01	0.13	



FP280D-L086

0.35 mm Pitch | Double acting | High temperature version

Electrical specifications

Current [A]	1.1	
R TYP [mOhm]	<180	
Self Inductance [nH]	2.16	
	Socket	Probe Card
Frequency at -1dB [GHz]	19	26

Mechanical specifications

Temperature [°C]	-45°+150°	
Preload [cN]	4	
Spring force at nt [cN ±20%]	20	
Nominal travel [mm]	0.80	
Maximum travel [mm]	1.10	

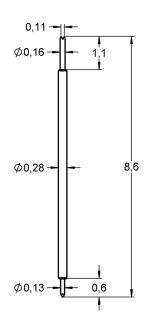
Materials and plating

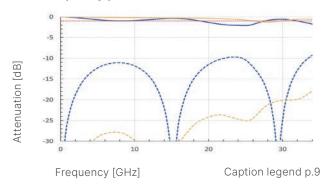
Top Plunger	Palladium alloy	unplated
Bottom Plunger	BeCu	gold plated
Barrel	Nickel	gold plated (inside)
Spring	Spring steel	gold plated

Drill size recommendation	[mm]
For barrel-Ø of probe	0.29 - 0.31

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1030449	FP280D2903P016U020L086	29 🔀	03	0.16	



FP300D-L032

0.40 mm Pitch | Double acting

Electrical specifications

Current [A]	1.4	
R TYP [mOhm]	<100	
Self Inductance [nH]	0.87	
	Socket	Probe Card
Frequency at -1dB [GHz]	19	48.5

Mechanical specifications

Temperature [°C]	-45°+120°	
Preload [cN]	7	7
Spring force at nt [cN ±20%]	17	19
Nominal travel [mm]	0.45	0.45
Maximum travel [mm]	0.58	0.58

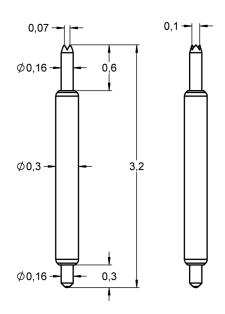
Materials and plating

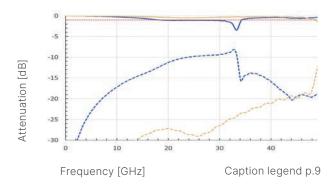
Tan Division	BeCu	gold plated
Top Plunger	Palladium alloy	unplated
Bottom Plunger	BeCu	gold plated
Barrel	Nickel	gold plated
Spring	Spring steel	gold plated

Drill size recommendation	[mm]
For harrel-Ø of probe	0.31 - 0.33

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1023111	FP300D0301B016G019L032	03	01	0.16	FM Choice
1023004	FP300D2901B016G019L032	29 🚬	01	0.16	FM Choice
1024431	FP300D2901P016U017L032	29	01	0.16	



FP300D-L057

0.40 mm Pitch | Double acting

Electrical specifications

Current [A]	1.4	
R TYP [mOhm]	<100	
Self Inductance [nH]	1.61	
	Socket	Probe Card
Frequency at -1dB [GHz]	13	28.5

Mechanical specifications

Temperature [°C]	-45°+120° -45°+150°	(H)
Preload [cN]	3	5
Spring force at nt [cN ±20%]	25	30
Nominal travel [mm]	0.65	0.65
Maximum travel [mm]	0.80	0.80

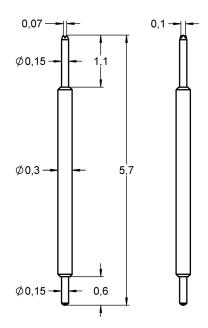
Materials and plating

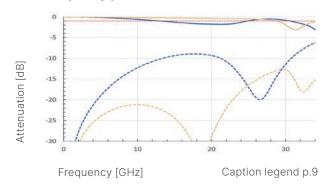
Top Divisor	BeCu	gold plated
Top Plunger	Palladium alloy	unplated
Bottom Plunger	BeCu	gold plated
Barrel	Nickel	gold plated
Spring	Spring steel	gold plated

Drill size recommendation	[mm]
For barrel-Ø of probe	0.31 - 0.33

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1023125	FP300D0301B015G030L057	03	01	0.15	FM Choice
1023005	FP300D2901B015G030L057	29 🚬	01	0.15	FM Choice
1024430	FP300D2901P015U025L057H	29 🔀	01	0.15	FM Choice



FP350D-L069

0.50 mm Pitch | Double acting | High temperature version

Electrical specifications

Current [A]	2.0	
R TYP [mOhm]	<66	
Self Inductance [nH]	2.22	
	Socket	Probe Card
Frequency at -1dB [GHz]	27	26.5

Mechanical specifications

Temperature [°C]	-45°+150°	
Preload [cN]	8	
Spring force at nt [cN ±20%]	20	
Nominal travel [mm]	0.65	
Maximum travel [mm]	0.75	

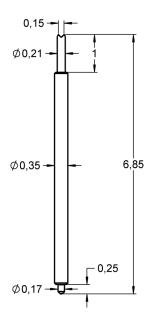
Materials and plating

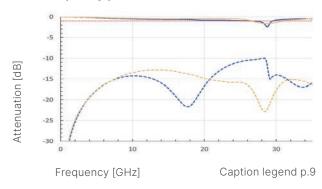
Top Plunger	BeCu	gold plated
Bottom Plunger	BeCu	gold plated
Barrel	Nickel	gold plated
Spring	Stainless steel	gold plated

Drill size recommendation	[mm]
For barrel-Ø of probe	0.36 - 0.38

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1023460	FP350D0301B025G020L069	03	01	0.25	
1023459	FP350D2901B021G020L069	29	01	0.25	



FP350D-L076

0.50 mm Pitch | Double acting | High temperature version

Electrical specifications

Current [A]	2.0	
R TYP [mOhm]	<80	
Self Inductance [nH]	2.50	
	Socket	Probe Card
Frequency at -1dB [GHz]	23	22

Mechanical specifications

Temperature [°C]	-45°+150°	
Preload [cN]	8	
Spring force at nt [cN ±20%]	20	
Nominal travel [mm]	0.65	
Maximum travel [mm]	0.75	

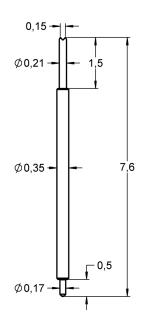
Materials and plating

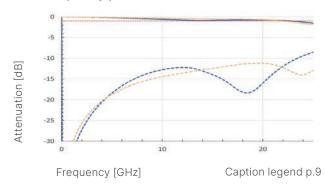
Top Plunger	BeCu	gold plated
Bottom Plunger	BeCu	gold plated
Barrel	Bronze	gold plated
Spring	Stainless steel	gold plated

Drill size recommendation	[mm]
For harrel-Ø of probe	0.36 - 0.38

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1114002	FP350D2901B021G020L076	29	01	0.21	



FP380D-L030

0.50 mm Pitch | Double acting

Electrical specifications

Current [A]	1.1	
R TYP [mOhm]	<100	
Self Inductance [nH]	0.81	
	Socket	Probe Card
Frequency at -1dB [GHz]	21.5	44

Mechanical specifications

Temperature [°C]	-45°+120°
Preload [cN]	15
Spring force at nt [cN ±20%]	25
Nominal travel [mm]	0.40
Maximum travel [mm]	0.55

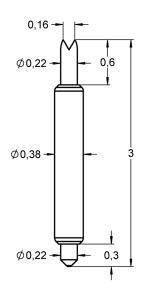
Materials and plating

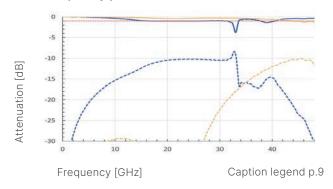
Top Plunger	Palladium alloy	unplated
Bottom Plunger	BeCu	gold plated
Barrel	Nickel	gold plated
Spring	Spring steel	gold plated

Drill size recommendation	[mm]
For barrel-Ø of probe	0.39 - 0.41

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1023006	FP380D2901P022U025L030	29 🔀	01	0.22	FM Choice



FP380D-L032

0.50 mm Pitch | Double acting

Electrical specifications

Current [A]	1.1	
R TYP [mOhm]	<100	
Self Inductance [nH]	0.82	
	Socket	Probe Card
Frequency at -1dB [GHz]	16	45

Mechanical specifications

Temperature [°C]	-45°+120°
Preload [cN]	8
Spring force at nt [cN ±20%]	23
Nominal travel [mm]	0.55
Maximum travel [mm]	0.65

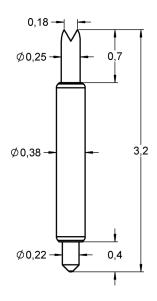
Materials and plating

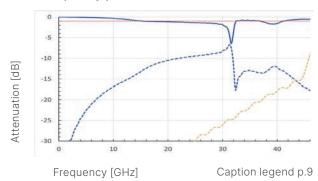
T Dl	BeCu	gold plated
Top Plunger	Palladium alloy	unplated
Bottom Plunger	BeCu	gold plated
Barrel	Bronze	gold plated
Spring	Spring steel	gold plated

Drill size recommendation	[mm]
For barrel-Ø of probe	0.39 - 0.41

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1127923	FP380D0301B025G023L032	03	01	0.25	FM Choice
1127922	FP380D2901B025G023L032	29 🚬	01	0.25	FM Choice
1127921	FP380D2901P025U023L032	29	01	0.25	FM Choice



FP380D-L057

0.50 mm Pitch | Double acting | High temperature version

Electrical specifications

Current [A]	1.6	
R TYP [mOhm]	<75	
Self Inductance [nH]	1.57	
	Socket	Probe Card
Frequency at -1dB [GHz]	12	28

Mechanical specifications

Temperature [°C]	-45°+150°	
Preload [cN]	4.5	
Spring force at nt [cN ±20%]	24	
Nominal travel [mm]	0.65	
Maximum travel [mm]	0.80	

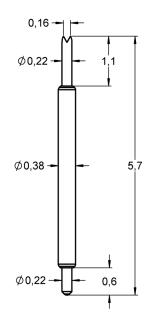
Materials and plating

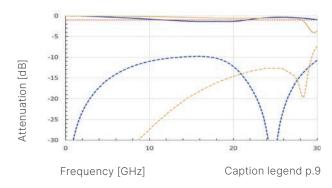
Tan Diversion	BeCu	gold plated
Top Plunger	Palladium alloy	unplated
Bottom Plunger	BeCu	gold plated
Barrel	Bronze	gold plated
Spring	Stainless steel	gold plated

Drill size recommendation	[mm]
For barrel-Ø of probe	0.39 - 0.41

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1127691	FP380D0103B022G024L057	01	03	0.22	FM Choice
1127689	FP380D2903B022G024L057	29 🚬	03	0.22	FM Choice
1127686	FP380D2903P022U024L057	29	03	0.22	FM Choice



FP380D-L087

0.50 mm Pitch | Double acting | High temperature version

Electrical specifications

Current [A]	2.0	
- Guitent [A]	2.0	
R TYP [mOhm]	<66	
Self Inductance [nH]	2.37	
	Socket	Probe Card
Frequency at -1dB [GHz]	7.5	19.5

Mechanical specifications

Temperature [°C]	-45°+150°
Preload [cN]	12
Spring force at nt [cN ±20%]	30
Nominal travel [mm]	1.0
Maximum travel [mm]	1.2

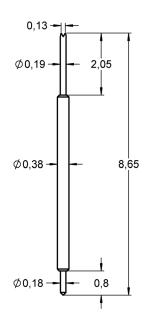
Materials and plating

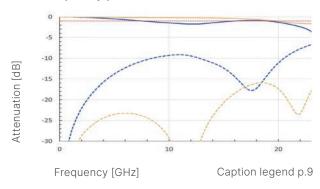
Top Plunger	Palladium alloy	unplated
Bottom Plunger	BeCu	gold plated
Barrel	Nickel	gold plated
Spring	Stainless steel	gold plated

Drill size recommendation	[mm]
For harrel-Ø of probe	0 39 - 0 41

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1024574	FP380D2901P019U030L087	29	01	0.19	



FP380D-L243

0.50 mm Pitch | Double acting

Electrical specifications

Current [A]	1.0	
R TYP [mOhm]	<250	
Self Inductance [nH]	6.91	
	Socket	Probe Card
Frequency at -1dB [GHz]	7.5	_

Mechanical specifications

Temperature [°C]	-45°+100°
Preload [cN]	10
Spring force at nt [cN ±20%]	50
Nominal travel [mm]	2.0
Maximum travel [mm]	2.5

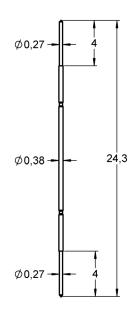
Materials and plating

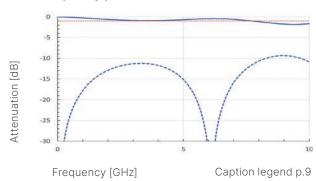
Top Plunger	BeCu	longtime gold plated
Bottom Plunger	BeCu	longtime gold plated
Barrel	Bronze	gold plated
Spring	Stainless steel	gold plated

Drill size recommendation[mm]For barrel-Ø of probe0.39 - 0.41

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1003136	FP380D0101B027L050L243	01	01	0.27	
1003137	FP380D1111B027L050L243	11	11	0.27	



FP350DF-L035

0.55 mm Pitch | Single acting

Electrical specifications

Current [A]	2.0	
R TYP [mOhm]	<100	
Self Inductance [nH]	1.09	
Frequency at -1dB [GHz]	37	

Mechanical specifications

Temperature [°C]	-45°+120°	
Preload [cN]	7	
Spring force at nt [cN ±20%]	38	
Nominal travel [mm]	0.45	
Maximum travel [mm]	0.60	

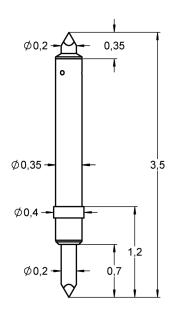
Materials and plating

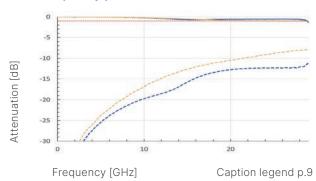
Top Plunger (rigid)	Palladium alloy	unplated
Bottom Plunger	BeCu	gold plated
Barrel	Bronze	gold plated
Spring	Spring steel	gold plated

Drill size recommendation	[mm]
For harrel-Ø of probe	0.31 - 0.33

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1142148	FP350DF3030P020U038L035	30	30	0.20	



FP480D-L046NM

0.65 mm Pitch | Double acting | High temperature | non-magnetic

Electrical specifications

Current [A]	2.3	
R TYP [mOhm]	<56	
Self Inductance [nH]	1.38	
	Socket	Probe Card
Frequency at -1dB [GHz]	12	32

Mechanical specifications

Temperature [°C]	-45°+200°
Preload [cN]	20
Spring force at nt [cN ±20%]	46
Nominal travel [mm]	0.4
Maximum travel [mm]	0.6

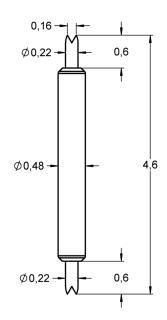
Materials and plating

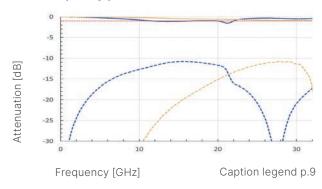
Top Plunger	BeCu	gold plated
Bottom Plunger	BeCu	gold plated
Barrel	Bronze	gold plated
Spring	Stainless steel	gold plated

Drill size recommendation	[mm]
For barrel-Ø of probe	0 49 - 0 51

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice	
1031177	FP480D2929B022G046L046NM	29	29	0.22		



FP510D-L166

0.70 mm Pitch | Double acting

Electrical specifications

Current [A]	1.0	
R TYP [mOhm]	<70	
Self Inductance [nH]	4.90	
	Socket	Probe Card
Frequency at -1dB [GHz]	10	18

Mechanical specifications

Temperature [°C]	-45°+100°	
Preload [cN]	10	10
Spring force at nt [cN ±20%]	25	50
Nominal travel [mm]	2.0	2.0
Maximum travel [mm]	2.5	2.5

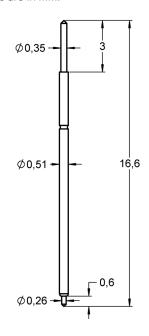
Materials and plating

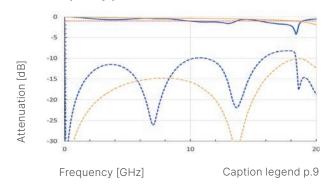
Top Plunger	BeCu	gold plated
Bottom Plunger	BeCu	gold plated
Barrel	Bronze	gold plated
Spring	Spring steel	silver plated

Drill size recommendation	[mm]
For barrel-Ø of probe	0.52 - 0.54

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1001356	FP510D0101B035G025L166	01	01	0.35	
1001356	FP510D0101B035G050L166	01	01	0.35	



FP510D-L243

0.70 mm Pitch | Double acting

Electrical specifications

Current [A]	1.0	
R TYP [mOhm]	<70	
Self Inductance [nH]	7.48	
	Socket	Probe Card
Frequency at -1dB [GHz]	7	_

Mechanical specifications

Temperature [°C]	-45°+100° -45°+200° (H)	
Preload [cN]	10	10
Spring force at nt [cN ±20%]	(H) 40	50
Nominal travel [mm]	2.0	2.0
Maximum travel [mm]	2.5	2.5

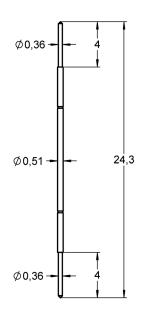
Materials and plating

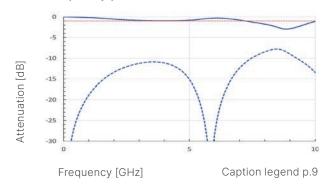
Top Plunger	BeCu	gold plated
Bottom Plunger	BeCu	gold plated
Barrel	Bronze	gold plated
Spring	Spring steel (H) Stainless steel	silver plated unplated

Drill size recommendation	[mm]
For barrel-Ø of probe	0.52 - 0.54

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1013358	FP510D0101S036L040L243H	01	01	0.36	
1005083	FP510D0101S036L050L243	01	01	0.36	



FP570D-L057

0.80 mm Pitch | Double acting | High temperature version

Electrical specifications

Current [A]	3.8	
R TYP [mOhm]	<60	
Self Inductance [nH]	1.76	
	Socket	Probe Card
Frequency at -1dB [GHz]	15.5	25.5

Mechanical specifications

Temperature [°C]	-45°+150°
Preload [cN]	10
Spring force at nt [cN ±20%]	30
Nominal travel [mm]	0.65
Maximum travel [mm]	0.85

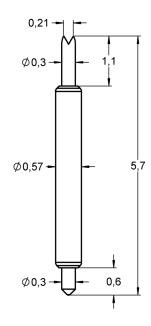
Materials and plating

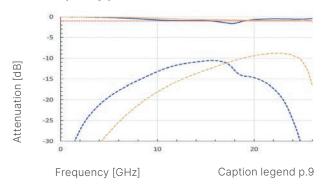
Top Plunger	BeCu	gold plated
Bottom Plunger	BeCu	gold plated
Barrel	Bronze	gold plated
Spring	Stainless steel	gold plated

Drill size recommendation	[mm]
For barrel-Ø of probe	0.58 - 0.61

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1128177	FP570D0101B030G030L057	01	01	0.30	FM Choice
1128176	FP570D2901B030G030L057	29 🚬	01	0.30	FM Choice



FP580D-L058NM

0.80 mm Pitch | Double acting | High temperature | non-magnetic

Electrical specifications

Current [A]	3.5	
R TYP [mOhm]	<60	
Self Inductance [nH]	1.79	
	Socket	Probe Card
Frequency at -1dB [GHz]	28.5	26

Mechanical specifications

Temperature [°C]	-45°+150°
Preload [cN]	30
Spring force at nt [cN ±20%]	60
Nominal travel [mm]	0.5
Maximum travel [mm]	0.6

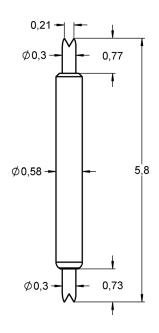
Materials and plating

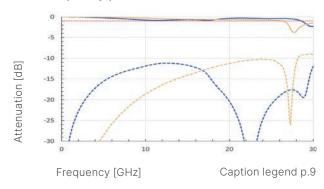
Top Plunger	BeCu	gold plated
Bottom Plunger	BeCu	gold plated
Barrel	Bronze	gold plated
Spring	Stainles steel	gold plated

Drill size recommendation	[mm]
For harrel-Ø of probe	0.59 - 0.62

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1028445	FP580D2929B030G060L058NM	29 🔪	29	0.30	



FP580D-L059NM

0.80 mm Pitch | non-magnetic

Electrical specifications

Current [A]	3.5	
R TYP [mOhm]	<60	
Self Inductance [nH]	1.80	
	Socket	Probe Card
Frequency at -1dB [GHz]	28.5	26

Mechanical specifications

Temperature [°C]	-45°+100° -45°+200° (H)		H)
Preload [cN]	30	30	30
Spring force at nt [cN ±20%]	20	40	60
Nominal travel [mm]	0.5	0.5	0.5
Maximum travel [mm]	0.6	0.6	0.6

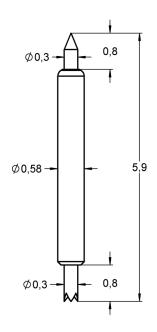
Materials and plating

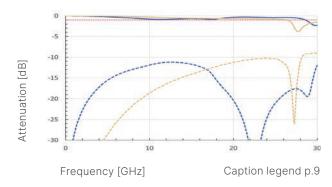
Top Plunger	BeCu	gold plated
Bottom Plunger	BeCu	gold plated
Barrel	Bronze	gold plated
Spring	Spring steel (H) Stainles steel	silver plated unplated

Drill size recommendation	[mm]
For barrel-Ø of probe	0.59 - 0.62

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1003844	FP580D0329B030G020L059	03	29	0.30	
1093730	FP580D1111B030G060L059HS1	11 🚛	11 🚤	0.30	
1001489	FP580D1629B030G040L059	16	29	0.30	
1025408	FP580D2903B030G060L059HS1	29 🚬	03	0.30	
1001490	FP580D2929B030G040L059	29 🛌	29 🚤	0.30	



FP590D-L087

0.80 mm Pitch | Double acting | High temperature version

Electrical specifications

Current [A]	2.5	
R TYP [mOhm]	<100	
Self Inductance [nH]	2.61	
	Socket	Probe Card
Frequency at -1dB [GHz]	8.5	17

Mechanical specifications

Temperature [°C]	-45°+150°
Preload [cN]	10
Spring force at nt [cN ±20%]	35
Nominal travel [mm]	0.75
Maximum travel [mm]	1.00

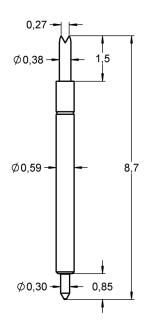
Materials and plating

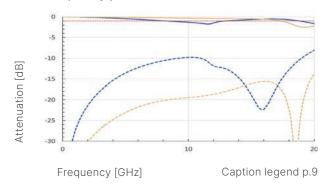
Top Plunger	Steel	gold plated	
Bottom Plunger	Steel	gold plated	
Barrel	Bronze	gold plated (inside)	
Spring	Stainles steel	gold plated	

Drill size recommendation	[mm]
For harrel-Ø of probe	0.60 - 0.63

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1023461	FP590D0303S038G035L087	03	03	0.38	
1023462	FP590D2903S038G035L087	29 🚬	03	0.38	



FP650D-L057

0.80 mm Pitch | Double acting | High temperature version

Electrical specifications

Current [A]	4.0	
R TYP [mOhm]	<50	
Self Inductance [nH]	1.35	
	Socket	Probe Card
Frequency at -1dB [GHz]	7.5	25

Mechanical specifications

Temperature [°C]	-45°+150°	
Preload [cN]	7	
Spring force at nt [cN ±20%]	30	
Nominal travel [mm]	0.65	
Maximum travel [mm]	0.85	

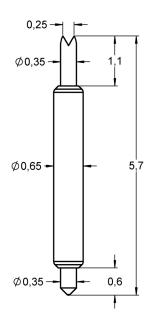
Materials and plating

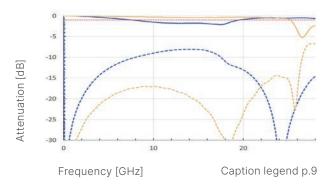
Top Plunger	BeCu	gold plated
Bottom Plunger	BeCu	gold plated
Barrel	Bronze	gold plated
Spring	Stainles steel	gold plated

Drill size recommendation	[mm]
For barrel-Ø of probe	0.66 - 0.69

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1131068	FP650D0301B035G030L057	03	01	0.35	FM Choice
1131051	FP650D2901B035G030L057	29 🚬	01	0.35	FM Choice



FP680D-L245

1.00 mm Pitch | Double acting

Electrical specifications

Current [A]	1.5	
R TYP [mOhm]	<75	
Self Inductance [nH]	5.27	
	Socket	Probe Card
Frequency at -1dB [GHz]	1.5	-

Mechanical specifications

Temperature [°C]	-45°+100°
Preload [cN]	35
Spring force at nt [cN ±20%]	85
Nominal travel [mm]	2.0
Maximum travel [mm]	2.5

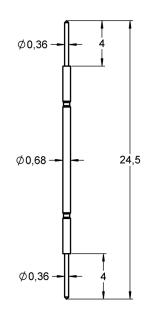
Materials and plating

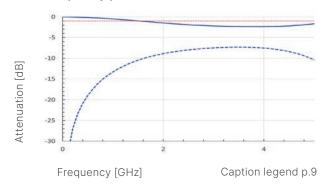
Top Plunger	Steel	gold plated
Bottom Plunger	ttom Plunger Steel gold p	
Barrel	Bronze	silver plated
Spring	Spring steel	silver plated

Drill size recommendation	[mm]	
For barrel-Ø of probe	0.69 - 0.72	

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1035969	FP680D0101S036L085L245	01	01	0.36	
1035970	FP680D1111S036L085L245	11	11 🚤	0.36	



FP800D-L057

1.00 mm Pitch | Double acting | High temperature version

Electrical specifications

Current [A]	3.5	
R TYP [mOhm]	<55	
Self Inductance [nH]	1.40	
	Socket	Probe Card
Frequency at -1dB [GHz]	7	23.5

Mechanical specifications

Temperature [°C]	-45°+150°	
Preload [cN]	10	
Spring force at nt [cN ±20%]	25	
Nominal travel [mm]	0.65	
Maximum travel [mm]	0.85	

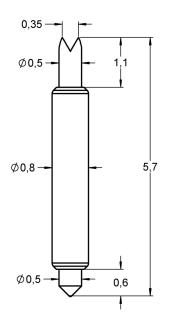
Materials and plating

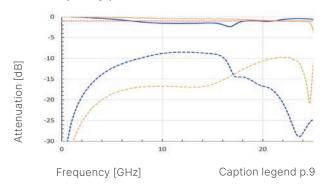
Top Plunger	BeCu	gold plated
Bottom Plunger	BeCu	gold plated
Barrel	Bronze	gold plated
Spring	Stainles steel	gold plated

Drill size recommendation	[mm]
For barrel-Ø of probe	0.81 - 0.83

Series drawing

All measurements are in mm.





Order code	Product name	Top plunger	Bottom plunger	Ø in mm	FM Choice
1130443	FP800D0301B050G025L057	03	01	0.50	FM Choice
1130428	FP800D2901B050G025L057	29 🚬	01	0.50	FM Choice