

SPECIFICATION

SERIES 820/G

PROBE P820/G

MECHANICAL	INNER CONTACT	RING CONTACT
SPACING:	6.50mm	6.50mm
Full travel:	3.50mm	2.50mm
Recommended working travel:	3.50mm	2.50mm
SPRING FORCE		
Preload:	0.8N	3.0N
@ Working travel:	1.5N	5.0N
ELECTRICAL		
Maximum continuous current:	1.0A	6.0A
Typ. continuity resistance:	<10m Ohm	
Recommended diameter of drill:	5.50mm	

RECEPTACLES

R820/G

WIRE PLUG

WP820

TIP STYLES

P820/G-D1 P820/G-W

STEEL / BeCu

Note: For probe insertion removal use hexagon socket 2.0mm

P860

SIDE VIEW
 Linear configuration: 5mm centres
 Notes: Other tip styles can be fitted 3.2mm centres version available on request
 Part Number **P860-Q**
 Spare Probe **P860-Q-RP**

TOP VIEW

P864

SIDE VIEW P864-C
 Isosceles configuration: 4mm centres
 Notes: Two tip styles Short overall length
 Part Number
SPEAR P864-B = Height 6.14
SERRATED P864-C = Height 4.06
 Spare Spring Probes
SPEAR P864-B-RP
SERRATED P864-C-RP
MAX FREQUENCY = 4GHZ
TOP VIEW P864-C

SPECIFICATION

SERIES 822

PROBE P822

MECHANICAL		
Minimum centres*:	4.9mm	
Projection height	6.0mm	
Ring Contact		
Full travel:	2.5mm	
Recommended working travel:	2.0mm	
Preload:	300 cN	
Internal Contact		
Full travel:	3.5mm	
Recommended working travel:	3.0mm	
Preload:	100 cN	
SPRING FORCE		
Total Spring Force at recommended travel:	650 cN ±20%	
ELECTRICAL		
Maximum continuous current:	6.0 A	
Ring Contact:	1.6 A	
Internal Contact:		

The P822 probe has been developed for the test of HF connectors (used e.g. for antenna connection in cars). The probe allows a parallel mutually isolated contact of the inner conductor and the outer insulation of the connector.

TIP STYLES

P822-A/A1 P822-E/E1/E2/E3 P822-F/F1

STEEL

P865

SIDE VIEW
 Quadrature configuration: 3mm centres
 Notes: Other tip styles can be fitted
 4 outer probe positions allow several configurations
 Part Number **P865-Q**
 Spare Probe **P865-Q-RP**
 Probe configuration can be changed
 Quadrature ground configuration
TOP VIEW

Note: For receptacle and wire plug see page 31 R820-S, WP820

PROBE ORDER CODE
P822 - A
 Series Tip Style

TIP	MATERIAL	INNER TIP DIAMETER A	OUTER TIP DIAMETER B	PROJECTION HEIGHT C	OVERALL LENGTH D
A1	Steel	1.0 mm	4.0 mm	8.4 mm	31.0 mm
A	Steel	1.0 mm	4.5 mm	8.4 mm	31.0 mm
F	Steel	1.5 mm	4.0 mm	10.9 mm	33.5 mm
F1	Steel	1.5 mm	4.5 mm	10.9 mm	33.5 mm
E	Steel	1.0 mm	4.0 mm	8.4 mm	31.0 mm
E1	Steel	1.0 mm	4.5 mm	8.4 mm	31.0 mm
E2	Steel	1.0 mm	4.0 mm	9.9 mm	32.5 mm
E3	Steel	1.0 mm	4.5 mm	9.9 mm	32.5 mm

Note: *When using the receptacle the minimum centre is 5.4 mm