

All dimensions are in mm
For more details, please see connectors TDS



DESIGNATION

Cable	Armoured measurement cable - P/N - TestPro 3
Connector Left	SMA 2.9 - straight jack - passivated stainless steel - P/N: R299776101
Connector Right	SMA 2.9 - straight plug - passivated stainless steel - P/N: R127801321
Assembly Length	914 mm / 35.98 inch (tolerance = ± 2%)
Assembly Weight	197.10 gr / 6.95 oz (tolerance = ± 5%)

ELECTRICAL CHARACTERISTICS

Characteristic impedance	50 Ohms
Max operating frequency	40.0 GHz
Assembly Typ Insertion Loss	3.00 dB (at 20 °C, at 40.0 GHz)
Assembly Typ VSWR	1.35 (at 40.0 GHz)
Assembly Max. Insertion Loss	3.31 dB (at 20 °C, at 40.0 GHz)
Assembly Max VSWR	1.40 (at 40.0 GHz)
Assembly Max Return Loss	15.6 dB (at 40.0 GHz)
Phase stability vs. Temp	4° / m / GHz (-55° / +100°C)
Dielectric withstanding voltage	750 V
Insulation resistance	5000 M.Ohms
Other	Amplitude stability typ. (dB) 0,05 @ 40GHz Phase with flexure stability typ. 4,8° @ 40GHz Note: Max IL are indicative only when superior to 40dB

MECHANICAL CHARACTERISTICS

Cable Outer diameter	7.29 mm Max 0.287 inch
Static bending radius	25.0 mm 0.98 inch
Dynamic bending radius	50.0 mm 1.97 inch
Other	Flexure life cycle > 20,000 Mating cycles durability > 5,000

ENVIRONMENTAL CHARACTERISTICS

Temperature range	-55 +125°C
Fire resistance	Yes
RoHS	Yes