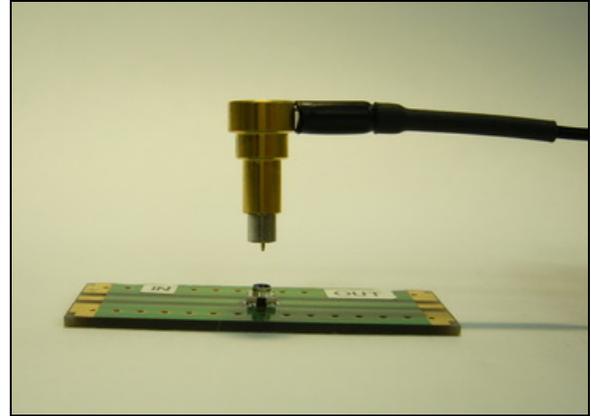
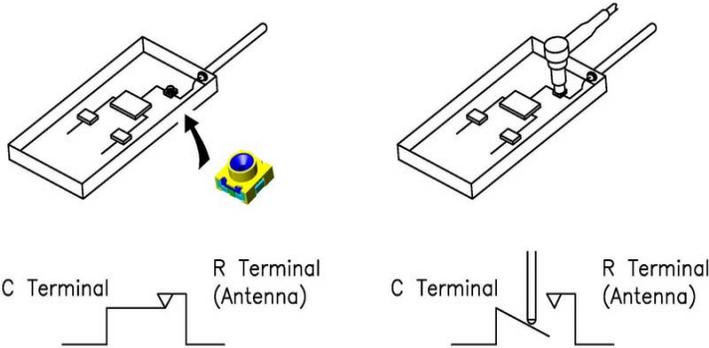


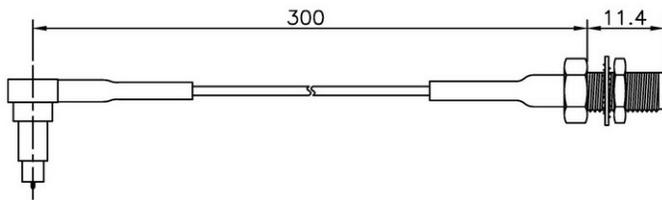
Sunridge TP Series – Test Probe Cable Assembly for RF Switch Connector



To meet the rigorous reliability demanded by smartphones and mobile IT devices, a RF switch is typically installed on the main PCB as a contact port for assurance testing. Driven by economy of scale and standardization, only a handful of de facto brands occupy 95%+ of the market share of the RF switch: Murata SWD/SWF series, Murata SWG series, Hirose MS-180 series. As this RF-antenna circuit test becomes a must for production and field service, the demand calls for a test probe device (usually in cable assembly form) that is reliable, durable and easy to use. Sunridge TP series offers a complete line of "Test Probe to SMA" cable to fulfill this requirement.



■ Typical Test Probe to SMAJB Cable Assembly



Standard configuration: Cable Assy, Test Probe to SMA Bulkhead, 1.35mm OD cable x 300mm. TP faces down and D-flat of SMA thread faces up as illustrated. Washer and Nut attached with SMA, unless otherwise specified.

Build to order in a quick turn around - Cable length and type and RF connector fitting can be specified by customers.

■ Features

- Complete test probe line for Murata SWD or SWF and, SWG, Hirose MS-180 series of RF switch.
- Option in height and engagement force - to fit application and to accommodate test-bench setups.
- 1.35mm OD cable - RG178 performance grade, with routing flexibility.
- TP- SMA adapter available - to convert TP contact tip to SMA Jack, which can be connected to a network analyzer - for calibration measurement or zero-in of the test-probe cable assembly.



As shown: Test probe cable assembly, MS-180-TPL to SMA, for RF switch Hirose P/N MS-180



Versatile selection for RF switch types and test-equipment setups



www.sunridgecorp.com

(dimension: mm)

Sunridge Corporation

Specialist in Interconnect Solutions



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Sunridge TP Series – Test Probe Cable Assembly for RF Switch Connector



Product Selection Guide, Murata & Hirose to Sunridge P/N Cross Reference

RF Switch Type & Mfgr P/N	Mfgr Test Probe Ref P/N	Sunridge TP Code	Form Factor in mm (footprint, height)	Sunridge P/N - Standard 300 mm length with SMAJB	Sunridge P/N for TP-SMA Adapter
Murata SWD, MM8430-2610	MXHS83QE3000	SWD-TP	7.4 x 7.4, 15.2 HT	SWD-TP-300-SMAJB201	SWDTP-SMAJ
		SWD-TPL	7.4 x 7.4, 11.2 HT	SWD-TPL-300-SMAJB201	
Murata SWF, MM8130-2610	MXHS83QE3000	SWD-TP	7.4 x 7.4, 15.2 HT	SWD-TP-300-SMAJB201	SWDTP-SMAJ
		SWD-TPL	7.4 x 7.4, 11.2 HT	SWD-TPL-300-SMAJB201	
Murata SWG, MM8030-2610	MXHQ87WA3000	SWG-TP	7.4 x 7.4, 15.6 HT	SWG-TP-300-SMAJB201	N/A
		SWG-TPL	4.0 x 4.5, 10.0 HT	SWG-TPL-300-SMAJB201	
Murata SWH, MM8930-2600	MXHQ87PA3000	SWH-TP	4.9 x 5.9, 15.7 HT	SWH-TP-300-SMAJB201	N/A
Hirose MS180, PN MS-180	MS-180-088LP-H1	MS-180-TP*	8.4 x 8.4, 22.1 HT	MS-180-TP-300-SMAJB201	MS180TP-SMAJ
	MS-180-040LP-H3	MS-180-TPL	5.0 x 4.2, 15.0 HT	MS-180-TPL-300-SMAJB201	

*MS-180-TP features little insertion force, and is suitable for manual and low volume bench test.

*Note for TP code: TP, for standard profile; TPL, for low profile.

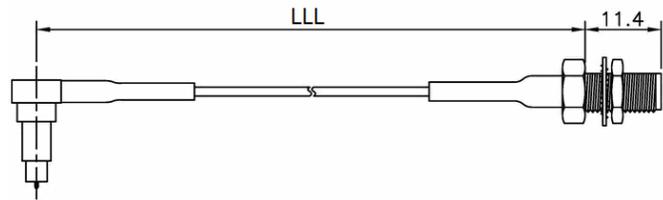
P/N Designation: - LLL - SMAJB201

: Sunridge TP code

LLL: cable length (in mm)

e.g., LLL = 300 means 300 mm; LLL = 095 means 95 mm.

E.g., P/N SWG-TP-300-SMAJB201 (standard configuration) - Cable Assy, SWG Test Probe to SMA Jack Bulkhead, 1.35MM OD cable x 300 mm length.



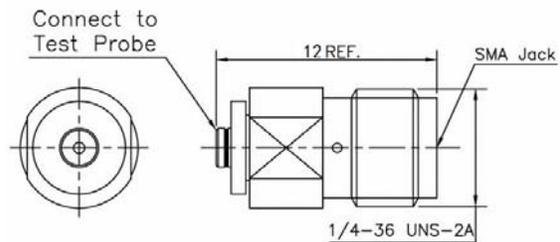
Build to spec in a quick turnaround: Cable length and type and RF connector fitting can be specified by customers.

TP-SMA Adapter

A converter from TP contact tip to SMA Jack fitting, which can readily connect to network analyzer - for calibration measurement or zero-in of the test-probe cable assembly.

P/N SWDTP-SMAJ: Adapter for SWD-TP and SWD-TPL test probes (for Murata SWD & SWF series)

P/N MS180TP-SMAJ: Adapter for MS-180-TP and MS-180-TPL test probes (for Hirose MS-180 series)



Form factor comparison among Sunridge TP devices and mating RF-Switch types