



## *Enabling Australia's Field Technicians to build, troubleshoot and maintain better communications networks.*



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**FREECALL 1800 680 680**

## MAP RF Switch



For stand-alone applications, the MAP RF Switch may be used as a benchtop

### Key Features

- Single or independent dual
- 1 x 2 and bypass versions
- Mechanically latching
- Built-in 50 Ohm terminations

### Applications

- Data source selection
- Routing to main analyzer

### Configurations

- Single 1 x 2, dual independent 1 x 2
- Single bypass, dual independent bypass

### Safety Information

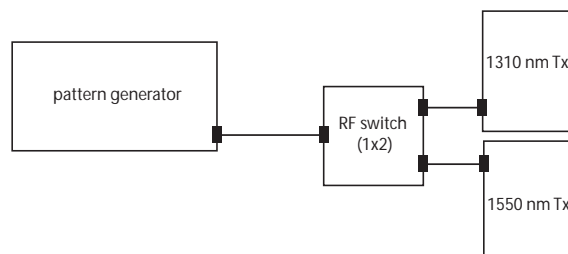
- This cassette, when installed in a MAP chassis, complies to CE requirements plus UL3101-1 and CAN/CSA-C22.2 No. 1010.1.

The Multiple Application Platform (MAP) RF switch cassette is a 50 Ohm coaxial switch for routing RF and microwave signals at frequencies up to 26.5 GHz. Comprising of single and dual 1 x 2 and bypass-type switches, these cassettes are an ideal solution for routing 10 Gb signals between power meters, receivers, and spectrum analyzers. The switches are based on mechanical latching actuators with a million-cycle lifetime.

The single and independent dual 1 x 2 configurations units feature dual built-in 50 Ohm terminators for each of the unused ports, allowing efficient use as an A-or-B source selector.


The single and independent dual bypass switches feature a single built-in 50 Ohm termination on one of the 'insert' loop ports which is activated when switch is in the bypass [straight through] state.

### MAP RF Switch Application



**Specifications**

Parameter	Specification
Frequency range	DC to 26.5 GHz
Insertion loss (IL)	0.25 dB: DC to 2 GHz
	0.50 dB: 2 to 18 GHz
	1.25 dB: 18 to 26.5 GHz
IL repeatability	0.03 dB: DC to 18 GHz
	0.50 dB: 18 to 26.5 GHz
Isolation	90 dB: DC to 18GHz
	50 dB: 18 to 26.5GHz
SWR through line	< 1.15: DC to 2 GHz
	< 1.25: 2 to 12.4 GHz
	< 1.40: 12.4 to 18 GHz
	< 1.80: 18 to 26.5 GHz
SWR into load	< 1.15: DC to 2 GHz
	< 1.25: 2 to 12.4 GHz
	< 1.30: 12.4 to 18 GHz
	< 1.80: 18 to 26.5 GHz
Connectors	3.5 mm female

**Ordering Information**
**Sample: MAPS+1R112**
**MAPS+1R** 


Code	Number of Switches
1	1 switch
2	2 independent switches

Code	Type of Switch
12	1 x 2 switch
2B	Bypass
MX	1 x 2 and bypass

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