

1J1012
2-Terminal
SMD Fixture

1J1014
4-Terminal
SMD Fixture

1J1024
2-Terminal
Small SMD Fixture



The 1012, 1014 and 1024 SMD Fixtures are used to connect a Wayne Kerr analyzer to a surface mount device with terminations on the end of the body.

The 1012 and 1024 fixtures make a 2-terminal measurement which is suitable for most high impedance devices such as low value capacitors. The 1024 accepts smaller package sizes than the 1012.

The 1014 fixture makes a 4-terminal measurement which is suitable for low value impedance and resistance devices.

Suitable analyzer models

All 3 fixtures can be used with the following models of Wayne Kerr analyzer:

6500B series Precision Impedance Analyzer

6500P series HF LCR Meter

6430B Precision Component Analyzer

6440B Precision Component Analyzer

3255B Inductance Analyzer

4300 LCR Meter

The 3260B is not a suitable analyzer due to the different pitch of the BNC's on the front panel.

Accessories

Each fixture is supplied with a Transfer Standard Kit. This kit contains all items needed to perform the open and short circuit trims and HF compensation routine on the analyzer.

Specification

Frequency Range: 20 Hz to 120 MHz (determined by analyzer model)

Connections: Fixture fits directly onto analyzer front panel BNC's

1012 & 1024: 2-terminal connection to Device Under Test

1014: 4-terminal connection to Device Under Test

Note that DUT terminations/contacts must be on the end faces of the body in order to connect to the fixture measurement pins

Suitable Device Under Test body sizes:

		Fixture model	
		1012 & 1014	1024
Imperial	Minimum	0603 0.06" × 0.03"	0201 0.02" × 0.01"
	Maximum	2920 0.29" × 0.2"	
Metric	Minimum	1608 1.6 mm × 0.8 mm	0603 0.6 mm × 0.3 mm
	Maximum	7451 7.4 mm × 5.14 mm	

Note that the Imperial System is the more common one.

Analyzer selection: The fixture is configured for the analyzer model using two switches in the top face of the fixture.

Dimensions: 100 x 67 x 51 mm (L x W x H)

Weight: 470 g

Operating temperature: 0 °C to 50 °C