

Keysight Technologies

Complete your Network Analysis, Spectrum Analysis and High Speed Digital Test Setup with the Right RF & Microwave Test Accessories

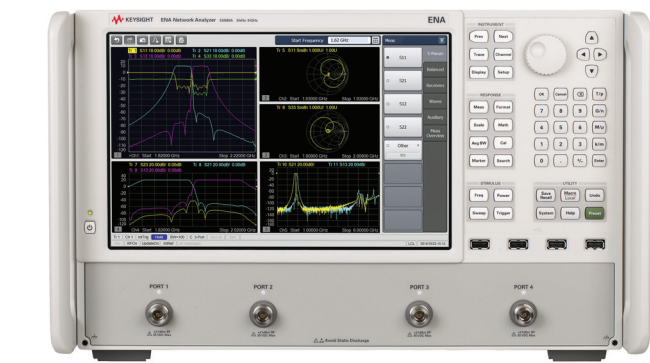
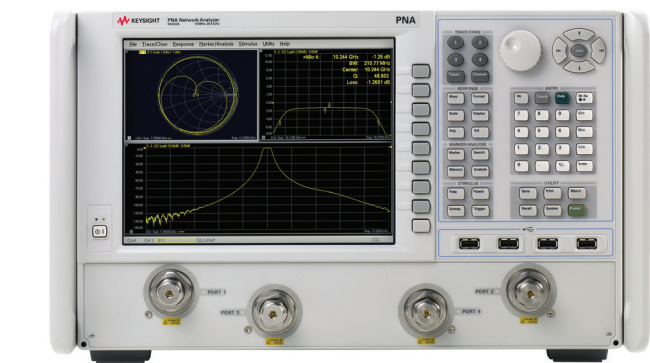
Selection Guide

This document lists the commonly-used RF and microwave switches, attenuators, amplifiers, and other test accessories to complete your test and measurement setup. Easy-to-read reference tables help you find just the right Keysight accessory to meet your design specifications. Choose high quality for every connection and eliminate the weak links in measurement test systems.

TESTEQUITY
*Proving our **value** every day*

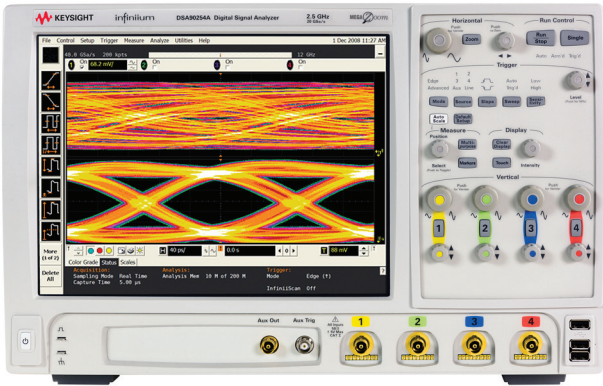
testequity.com/keysight / 800-588-3457
6100 Condor Drive, Moorpark, CA 93021

 **KEYSIGHT**
TECHNOLOGIES
Authorized Distributor



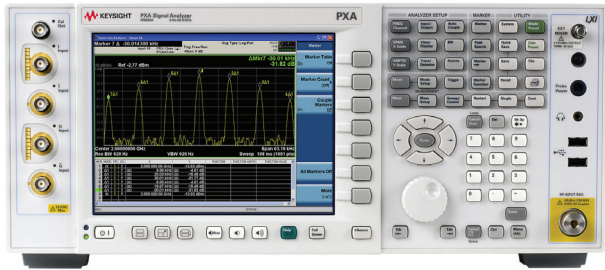
Most popular accessories used with PNA microwave network analyzers		
Adapter	11901A	2.4 mm (m) to 3.5 mm (m) adapter
	11901B	2.4 mm (f) to 3.5 mm (f) adapter
	11901D	2.4 mm (f) to 3.5 mm (m) adapter
	11901C	2.4 mm (m) to 3.5 mm (f) adapter
	11904C	2.4 mm (m) to 2.92 mm (f) adapter
	11904D	2.4 mm (f) to 2.92 mm (m) adapter
Switch	83059A	Adapter 3.5 mm male-male
	83059B	Adapter 3.5 mm female-female
	N1810TL	Switch, SPDT terminated latching
	87104B	Switch, SP4T terminated DC to 20 GHz
	87104D	Switch, SP4T terminated DC to 40 GHz
	87106C	Switch, SP6T terminated DC to 26.5 GHz
Attenuator	87106D	Switch, SP6T, DC to 40 GHz, terminated
	U9397A	FET switch, SPDT, 8 GHz
	8490D	Fixed attenuator, DC to 50 GHz
Termination	8491B	Fixed attenuator, DC to 18 GHz, Type N
	8493C	Fixed attenuator, DC to 26.5 GHz
Comb generator	909A	Termination, APC-7, DC to 18 GHz
Power limiter	U9391C	26.5 GHz comb generator
	N9356C	Limiter 0.01 to 26.5 GHz P1db of 25 dBm

Most popular accessories used with ENA series network analyzers		
Adapter	11878A	3.5 mm to Type-N adapter kit
	83059B	Adapter 3.5 mm female-female
	83059C	Adapter, 3.5 mm male-female
	11852B	Minimum loss pad
Switch	N1810TL	Switch, SPDT terminated latching
	87104B	Switch, SP4T terminated DC to 20 GHz
	87106B	Switch, SP6T terminated DC to 20 GHz
	87222C	Switch, transfer DC to 26.5 GHz
	8762A	Switch, SPDT DC to 4 GHz
	L7106B	Switch, SP6T terminated DC to 20 GHz
Attenuator	U1810B	USB coaxial switch, SPDT DC to 18 GHz
	U9397A	FET switch, SPDT, 8 GHz
	P9402A	Pin switch, SPDT, 8 GHz
	P9402C	Pin switch, SPDT, 18 GHz
DC block	8491A	Fixed attenuator, DC to 12.4 GHz, Type N
Power splitter	8493A	Fixed attenuator, DC to 12.4 GHz, SMA
Power limiter	8494B	0 to 11 dB manual step attenuator, 0 to 18 GHz
	11742A	Blocking capacitor, 45 MHz to 26.5 GHz
	11667L	Power splitter, DC to 2 GHz, BNC, 50 ohm
	N9356C	Limiter 0.01 to 26.5 GHz P1db of 25 dBm



Most popular accessories used with FieldFox RF handheld analyzers		
Adapter	11901A	2.4 mm (m) to 3.5 mm (m) adapter
	11901B	2.4 mm (f) to 3.5 mm (f) adapter
	11901C	2.4 mm (m) to 3.5 mm (f) adapter
	11901D	2.4 mm (f) to 3.5 mm (m) adapter
	11878A	3.5 mm to Type-N adapter kit
Attenuator	83059A	Adapter 3.5 mm male-male
	83059B	Adapter 3.5 mm female-female
	8491A	Fixed attenuator, DC to 12.4 GHz, Type N
	8493A	Fixed attenuator, DC to 12.4 GHz, SMA
	8493C	Fixed attenuator, DC to 26.5 GHz
Termination	8494A	Manual step attenuator, 0 to 11 dB, DC to 4 GHz
	8496A	0 to 110 dB manual step attenuator, 0 to 4 GHz
	8494B	0 to 11 dB manual step attenuator, 0 to 18 GHz
	8496B	0 to 110 dB manual step attenuator, 0 to 18 GHz
	11716A	Type N attenuator interconnection kit
Power splitter/Divider	11636B	DC to 26.5 GHz power divider, APC-3.5
	11667C	DC to 50 GHz power splitter, 50 ohm
Power limiter	N9356B	Limiter 0.01 to 18 GHz P1db of 25 dBm

Most popular accessories used with oscilloscopes		
Adapter	11901B	2.4 mm (f) to 3.5 mm (f) adapter
	11901C	2.4 mm (m) to 3.5 mm (f) adapter
	11901D	2.4 mm (f) to 3.5 mm (m) adapter
	11904D	2.4 mm (f) to 2.92 mm (m) adapter
	83059B	Adapter 3.5 mm female-female
Switch	N1810TL	Switch, SPDT terminated latching
	N1810UL	Coaxial switch, SPDT unterminated latching
	87104D	Switch, SP4T terminated DC to 40 GHz
	87106B	Switch, SP6T terminated DC to 20 GHz
	L7104A	Switch, SP4T, DC to 4 GHz, terminated (L-series)
Attenuator	U3020AS26	Switching test set
Termination	8493C	Fixed attenuator, DC to 26.5 GHz
DC block	909D	Termination, DC to 26.5 GHz, 3.5 mm
	11742A	Blocking capacitor, 45 MHz to 26.5 GHz
Power splitter /Divider	N9398C	3.5mm DC Block 16V 50 kHz to 26.5 GHz
	11636B	DC to 26.5 GHz power divider, APC-3.5
Detector	11636C	Power divider, DC to 50 GHz
	11667C	DC to 50 GHz power splitter, 50 ohm
Power limiter	8472B	18 GHz LBHCD crystal detector
	N9355CK01	Power limiter for overload & ESD protection

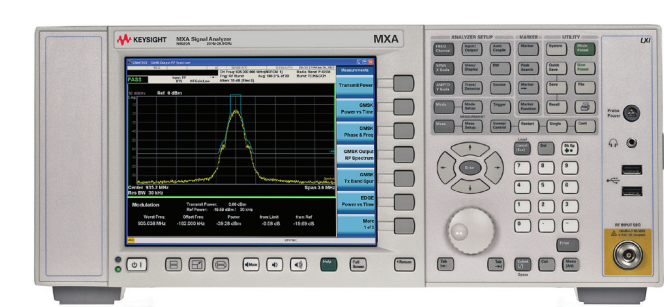


Most popular accessories used with PXA/PSA signal analyzers

Adapter	11901B	2.4 mm (f) to 3.5 mm (f) adapter
	11903B	2.4 mm (f) to type-N(f) adapter
Switch	N1812UL	Switch, 5 port unterminated latching
	8762B	Switch, SPDT DC to 18 GHz
	8762C	Switch, SPDT DC to 26.5 GHz
	8763C	Switch, bypass 4 port DC to 26.5 GHz
Attenuator	8491A	Fixed attenuator, DC to 12.4 GHz, Type N
	8491B	Fixed attenuator, DC to 18 GHz
	8498A	Fixed attenuator, 30 dB
	8495B	0 to 70 dB manual step attenuator, 0 to 18 GHz
	8494H	0 to 11 dB programmable attenuator, 0 to 18 GHz
	8496H	0 to 110 dB programmable attenuator 0 to 18 GHz
Mixer	11970W	75 to 110 GHz waveguide harmonic mixer
	M1970E	Waveguide harmonic mixer, 60 to 90 GHz
	M1970V	Waveguide harmonic mixer, 50 to 75 GHz
	M1970W	Waveguide harmonic mixer, 75 to 110 GHz
Detector	423B	Low-barrier Schottky diode detector
	8472B	18 GHz LBHCD crystal detector
Coupler	87300C	10 dB coaxial coupler, 1 to 26.5 GHz
Power divider	87302C	Power divider, 0.5 to 26.5 GHz

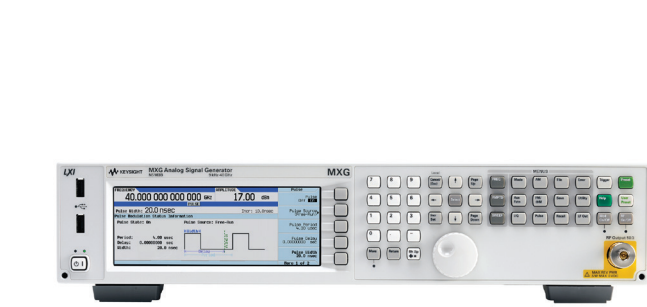
Most popular accessories used with PSG signal generators

Adapter	11901B	2.4 mm (f) to 3.5mm (f) adapter
	11901C	2.4 mm (m) to 3.5mm (f) adapter
	11904C	2.4 mm (m) to 2.92mm (f) adapter
Switch	N1812UL	Switch, 5 port unterminated latching
	8762B	Switch, SPDT DC to 18 GHz
	8491B	Fixed attenuator, DC to 18 GHz
Attenuator	8490G	Fixed attenuator, DC to 67 GHz
	8498A	Fixed attenuator, 30 dB
	11583C	Coax attenuator set of (4) 8493C's
	8494B	0 to 11 dB manual step attenuator, 0 to 18 GHz
	8494H	0 to 11 dB programmable attenuator, 0 to 18 GHz
	8496H	0 to 110 dB programmable attenuator, 0 to 18 GHz
	8495B	0 to 70 dB manual step attenuator, 0 to 18 GHz
Mixer	M1970E	Waveguide harmonic mixer, 60 to 90 GHz
	M1970V	Waveguide harmonic mixer, 50 to 75 GHz
Detector	423B	Low-barrier Schottky diode detector
	8472B	18 GHz LBHCD crystal detector
	8473B	Coaxial crystal detector
Coupler	87300C	10 dB coaxial coupler, 1 to 26.5 GHz
Power divider	11636C	Power divider, DC to 50 GHz



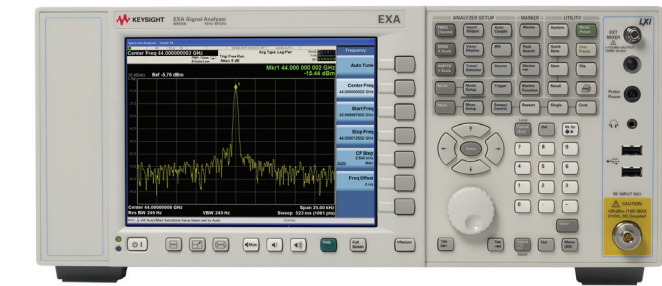
Most popular accessories used with MXA signal analyzers

Adapter	11930B	Type-N limiter, 5 MHz to 6 GHz
	83059B	Adapter 3.5 mm female-female
	11852B	Minimum loss pad
Switch	N1810TL	Switch, SPDT terminated latching
	8762B	Switch, SPDT DC to 18 GHz
	8763B	Switch, bypass 4 Port DC to 18 GHz
	87104A	Switch, SP4T, DC to 4 GHz, terminated
	87104B	Switch, SP4T terminated DC to 20 GHz
	87106B	Switch, SP6T terminated DC to 20 GHz
	87406B	Switch, matrix terminated DC to 20 GHz
	L7104B	Switch, SP4T terminated DC to 20 GHz
	U1810B	USB coaxial switch, SPDT DC to 18 GHz
Attenuator	U1816A	USB coaxial switch, DC to 8 GHz, SP6T
	8491A	Fixed attenuator, DC to 12.4 GHz, Type N
	J7211A	0 to 121 dB attenuation control unit DC to 6 GHz
Driver	11713C	11713C attenuator switch driver
Detector	8471E	Detector, coaxial, 0.01 to 12.4 GHz
	83036C	Detector, directional, 3.5 mm connectors
Probe	U1818B	100 kHz to 12 GHz active differential probe
DC block	N9398C	3.5 mm DC block 16 V 50 kHz to 26.5 GHz



Most popular accessories used with MXG signal generators

Adapter	11524A	Coaxial adapter, APC-7 to Type N female
	83059B	Adapter 3.5 mm female-female
	N1810TL	Switch, SPDT terminated latching
Switch	8761B	Switch, SPDT DC to 18 GHz, 24 to 30 V
	8762C	Switch, SPDT DC to 26.5 GHz
	8763C	Switch, bypass 4 port DC to 26.5 GHz
	87104B	Switch, SP4T terminated DC to 20 GHz
	87106B	Switch, SP6T terminated DC to 20 GHz
Attenuator	8491A	Fixed attenuator, DC to 12.4 GHz, Type N
	8491B	Fixed attenuator, DC to 18 GHz
	8498A	Fixed attenuator, 30 dB
	8493A	Fixed attenuator, DC to 12.4 GHz, SMA
	8493B	Fixed attenuator, DC to 18 GHz, SMA
	8494B	0 to 11 dB manual step attenuator, 0 to 18 GHz
	8495B	0 to 70 dB manual step attenuator, 0 to 18 GHz
	8496B	0 to 110 dB manual step attenuator, 0 to 18 GHz
	11716C	SMA attenuator interconnect kit
Detector	8471E	Detector, coaxial, 0.01 to 12.4 GHz
	83036C	Detector, directional, 3.5 mm connectors
Power limiter	11930B	Type-N limiter, 5 MHz to 6 GHz



Most popular accessories sold with EXA/ESA signal analyzers		
Switch	8761B	Switch, SPDT DC to 18 GHz, 24 to 30 V
	8762B	Switch, SPDT DC to 18 GHz
	87606B	Switch, matrix terminated DC to 20 GHz
	L7106B	Switch, SP6T terminated DC to 20 GHz
	U1810B	USB coaxial switch, SPDT DC to 18 GHz
Attenuator	8491A	Fixed attenuator, DC to 12.4 GHz, Type N
	8491B	Fixed attenuator, DC to 18 GHz
	8493A	Fixed attenuator, DC to 12.4 GHz, SMA
	8498A	Fixed attenuator, 30 dB
	8494B	0 to 11 dB manual step attenuator, 0 to 18 GHz
	8495B	0 to 70 dB manual step attenuator, 0 to 18 GHz
Mixer	8496B	0 to 110 dB manual step attenuator, 0 to 18 GHz
	11716A	Type N attenuator interconnection kit
Mixer	M1970V	Waveguide harmonic mixer, 50 to 75 GHz
DC block	11742A	Blocking capacitor, 45 MHz to 26.5 GHz
	N9399C	3.5mm DC block 50 V 700 kHz to 26.5 GHz
Probe	U1818B	100 kHz to 12 GHz active differential probe
Coupler	87301D	Coupler, coaxial, 1 to 40 GHz
Amplifier	87405B	Preamplifier, 0.01 to 4 GHz, 22 dB Gain
	83017A	Amplifier, 0.5 to 26.5 GHz; 25 dB gain

Most popular accessories sold with EXG/ESG signal generators			
Adapter	11901B	2.4 mm (f) to 3.5 mm (f) adapter	
	N1810TL	Switch, SPDT terminated latching	
	87106D	Switch, SP6T, DC to 40 GHz, terminated	
	8762C	Switch, SPDT DC to 26.5 GHz	
	8763B	Switch, bypass 4 Port DC to 18 GHz	
Switch	8763C	Switch, bypass 4 port DC to 26.5 GHz	
	87222C	Switch, transfer DC to 26.5 GHz	
	L7104B	Switch, SP4T terminated DC to 20 GHz	
	L7222C	Switch, transfer DC to 26.5 GHz, (L-series)	
Attenuator	8491A	Fixed attenuator, DC to 12.4 GHz, Type N	
	8493A	Fixed attenuator, DC to 12.4 GHz, SMA	
	8498A	Fixed attenuator, 30 dB	
	8494B	0 to 11 dB manual step attenuator, 0 to 18 GHz	
	8496B	0 to 110 dB manual step attenuator, 0 to 18 GHz	
	J7211C	0 to 101 dB attenuation control unit, DC to 26.5 GHz	
Driver	11716C	SMA attenuator interconnect kit	
	11713B	11713B attenuator switch driver	
	11713C	11713C attenuator switch driver	
Power divider	11636B	DC to 26.5 GHz power divider, APC-3.5	
	87302C	Power divider, 0.5 to 26.5 GHz	

TESTEQUITY
*Proving our **value** every day*

testequity.com/keysight / 800-588-3457
6100 Condor Drive, Moorpark, CA 93021



Authorized Distributor

This information is subject to change without notice.
© Keysight Technologies, 2015
Published in USA, September 7, 2015
5992-0997EN-TESTEQUITY
www.keysight.com