

AP5041A G3 Vector Signal Generator

Introduction

This configuration guide contains information to help you configure your AP5041A G3 vector signal generator to meet your requirements. Ordering optional capabilities at the time of purchase provides the lowest overall cost of ownership.



Select Hardware Options

Option	Description	Additional information
Select frequency range (one required)		
AP5041A-504	Frequency range, 100 kHz to 4 GHz	Type-N (f) RF output connector
AP5041A-506	Frequency range, 100 kHz to 6 GHz	Type-N (f) RF output connector
AP5041A-512	Frequency range, 100 kHz to 12 GHz	Type-N (f) RF output connector
AP5041A-520	Frequency range, 100 kHz to 20 GHz	2.92 mm (m) RF output connector
AP5041A-540	Frequency range, 100 kHz to 40 GHz	2.92 mm (m) RF output connector
Select close in phase noise and long-term frequency stability performance level (one required)		
AP5041A-LN1	Ultra-low close in phase noise and long-term frequency stability	
AP5041A-LN2	Enhanced ultra-low close in phase noise and long-term frequency stability	
Select attenuator (optionally choose one)		
AP5041A-1E1	Mechanical step attenuator for 4 GHz, 6 GHz, 12 GHz, 20 GHz or 40 GHz	Requires option 504, 506, 512, 520, or 540
AP5041A-1E2	Electronic step attenuator for 4 GHz frequency range	Requires option 504
AP5041A-2E2	Electronic step attenuator for 6 GHz, 12 GHz, or 20 GHz frequency range	Requires option 506, 512, or 520
AP5041A-3E2	Electronic step attenuator for 40 GHz frequency range	Requires option 540
Select fast switching (optional)		
AP5041A-UNZ	Fast switching	
Select analog modulation (optionally choose any)		
AP5041A-UNT	AM, FM, phase modulation	
AP5041A-PMR	Pulse modulation	Incompatible with PME
AP5041A-PME	Limited pulse modulation	Incompatible with PMR
AP5041A-302	Avionics	
Select vector system features (optionally choose any)		
AP5042A-403	Additive white gaussian noise	
AP5041A-431	Custom digital modulation	
AP5041A-FCP	Fast control port, external digital I/Q data streaming	
AP5041A-PCM	Firmware for Phase Calibratable Mode	Requires PHS
AP5041A-EXT	Differential external analog IQ inputs	

Option	Description	Additional information
Select general performance features (optionally choose any)		
AP5041A-1EH	Improved harmonics for 6 GHz, 12 GHz, or 20 GHz frequency range	Requires option 506, 512, or 520 Requires option 2E2
AP5041A-PHS	Phase coherent switching	
AP5041A-SNC	Multi-instrument synchronization	Requires PHS
AP5041A-1ER	Flexible reference input	
AP5041A-GPB	GPIB interface	
AP5041A-006	MicroSD card slot for removable SD memory	
Select calibration documentation (optional)		
AP5042A-UK6	Commercial calibration certificate with test data	

Recommended Services

Model	Description
R-50C-011-3	Keysight Calibration - Return-to-Keysight - 3 years
R-50C-011-5	Keysight Calibration - Return-to-Keysight - 5 years

Related Literature

[AP5041A G3 Vector Signal Generator Product Page](#)