

MICROWAVE DETECTORS

5400-71, 560-7 Series

1 MHz to 50 GHz



The Anritsu 560-7 and 5400-71 Series RF Detectors are used with the Model 56100A Scalar Network Analyzer and with Series 54100A Scalar Measurement System for making coaxial transmission loss or gain and power measurements. They are also used with the Site Master™ and Cable Mate™ Series Personal SWR/RL and Fault Location Testers for making power measurements.

Features

- Zero-biased Schottky diodes
- -55 dBm to +16 dBm range

Specifications

Model	Frequency range	Impedance	Return loss	Input connector	Frequency Response
560-7A50	0.01 to 18 GHz	50 Ω	15 dB, <0.04 GHz 22 dB, <8 GHz 17 dB, <18 GHz	GPC-7	±0.5 dB, 18 GHz
560-7N50B	0.01 to 20 GHz	50 Ω	15 dB, <0.04 GHz 22 dB, <8 GHz 17 dB, <18 GHz 14 dB, <20 GHz	N(m)	±0.5 dB, <18 GHz ±1.25 dB, <20 GHz
560-7S50B	0.01 to 20 GHz	50 Ω	15 dB, <0.04 GHz 22 dB, <8 GHz 17 dB, <18 GHz 14 dB, <20 GHz	WSMA(m)	±0.5 dB, <18 GHz ±1.25 dB, <20 GHz
560-7S50-2	0.01 to 26.5 GHz	50 Ω	15 dB, <0.04 GHz 22 dB, <8 GHz 17 dB, <18 GHz 14 dB, <26.5 GHz	WSMA(m)	±0.5 dB, <18 GHz ±1.25 dB, <26.5 GHz
560-7K50	0.01 to 40 GHz	50 Ω	12 dB, <0.04 GHz 22 dB, <8 GHz 7 dB, <18 GHz 15 dB, <26.5 GHz 14 dB, <32 GHz 13 dB, <40 GHz	K(m)	±0.5 dB, <18 GHz ±1.25 dB, <26.5 GHz ±2.2 dB, <32 GHz ±2.5 dB, <40 GHz
560-7VA50	0.01 to 50 GHz	50 Ω	12 dB, <0.04 GHz 19 dB, <20 GHz 15 dB, <40 GHz 10 dB, <50 GHz	V(m)	±0.8 dB, <20 GHz ±2.5 dB, <40 GHz ±3.0 dB, <50 GHz
5400-71B50	0.001 to 1.5 GHz	50 Ω	20 dB	BNC(m)	±0.2 dB, <1.5 GHz
5400-71B75	0.001 to 1.5 GHz	75 Ω	20 dB	BNC(m)	±0.2 dB, <1.5 GHz
5400-71N50	0.001 to 3 GHz	50 Ω	26 dB	N(m)	±0.2 dB, <1 GHz ±0.3 dB, <3 GHz
5400-71N75	0.001 to 3 GHz	75 Ω	26 dB, <2 GHz 20 dB, <3 GHz	N(m)	±0.2 dB, <3 GHz ±0.3 dB, <3 GHz
5400-71N75L*	0.005 to 1.2 GHz	75 Ω	24 dB	N(m)	±0.2 dB, <1 GHz ±0.5 dB, <1.2 GHz

* The input of the 5400-71N75L is designed to extend the damage level to 1 W (+30 dBm). Compression begins at 10 dBm <0.05 GHz, 15 dBm <1 GHz, or 20 dBm <1.2 GHz.

Temperature range: 0°C to +70°C

Ordering information

Please specify model/order number, name, and quantity when ordering.

Model/Order No.	Name
	Microwave Detector
5400-71N50	1 to 3000 MHz, N(m), 50 Ω
5400-71N75	1 MHz to 3 GHz, N(m), 75 Ω
560-7A50	10 MHz to 18 GHz, GPC-7, 50 Ω
560-7K50	10 MHz to 40 GHz, K(m), 50 Ω

Model/Order No.	Name
560-7N50B	10 MHz to 20 GHz, N(m), 50 Ω
560-7S50-2	10 MHz to 26.5 GHz, WSMA(m), 50 Ω
560-7S50B	10 MHz to 20 GHz, WSMA(m), 50 Ω
560-7VA50	10 MHz to 50 GHz, V(m), 50 Ω