Table 2. SWR Bridge Performance Specifications

Models	Directivity (dB)	Accuracy①	Input Z (ohms)	Test Port Connector	Physical
58 Series Comparison SWR Bridge, 2 to 18 GHz					
58A50	35	*2–3 GHz:* 0.018 $\pm 0.32\rho^2$ ② ③ *3–4 GHz:* 0.018 $\pm 0.2\rho^2$ *4–18 GHz:* 0.018 $\pm 0.13\rho^2$	50	GPC–7	*Dimensions:* 6.7 x 5.1 x 2.2 cm (2 5/8 x 2 x 7/8 in.) plus connectors *Weight:* 340 g (12 Oz)
60 Series SWR Bridges, 5 MHz to 2 GHz					
60A50	40④	0.01 $\pm 0.09\rho^2$	50	GPC–7	*Dimensions:* 6.7 x 5.1 x 2.54 cm (2 5/8 x 2 x 1 in.) plus connectors *Weight:* 340 g (12 oz)
60N50				Type N Male	
60NF50				Type N Female	
62 Series SWR Bridges, 10 MHz to 1GHz					
62N75⑤	40	0.01 $\pm 0.12\rho^2$	75	Type N Male	*Dimensions:* 6.7 x 5.1 x 2.54 cm (2 5/8 x 2 x 1 in.) plus connectors *Weight:* 170 g (6 Oz)
62NF75			75	Type N Female	
62B75			75	BNC Male	
62BF75			75	BNC Female	
87 Series SWR Bridges, 2 to 18 GHz					
87A50	35	*2–3 GHz:* 0.018 $\pm 0.32\rho^2$ *3–4 GHz:* 0.018 $\pm 0.2\rho^2$ *4–18 GHz:* 0.018 $\pm 0.13\rho^2$	50	GPC–7	*Dimensions:* 7.3 x 5.1 x 2.86 cm (2 5/8 x 2 x 1 1/8 in.) plus connectors *Weight:* 340 g (12 Oz)
87A50-1	38	*2–3 GHz:* 0.013 $\pm 0.32\rho^2$ *3–4 GHz:* 0.013 $\pm 0.2\rho^2$ *4–18 GHz:* 0.013 $\pm 0.13\rho^2$			
All Models Insertion Loss (from input to test port): 6.5 dB nominal Maximum Power Input: 0.5 watts (+27 dBm) Input Connector: Type N Female, stainless steel, except 67B and 67F Series that have BNC Female					

① Where ρ is the reflection coefficient being measured. Accuracy includes the effects of test port reflections and directivity.

② When used with 28A50-1 Precision Termination. The effective directivity of the bridge can be increased to 60 dB by using the Ripple Extraction return loss measurement technique with the 18A50 Air Line and 29A50-20 Offset Termination.

③ See paragraph 4 for explanation of accuracy and other terms.

④ 46 dB directivity available as Option 1. Option 1 accuracy: 0.005 $\pm 0.09\rho^2$.

⑤ 75Ω Type N Female connectors will withstand occasional mating with 50Ω connectors without damage.