



# Agilent 87511A/B S-Parameter Test Set

## Data Sheet

Parameter	Agilent 87511A	Agilent 87511B	Type
Frequency Range	100kHz to 500MHz		Specification
Directivity Port 1 & 2	> 30dB 100kHz to 300kHz > 40dB 300kHz to 200MHz > 35dB 200MHz to 500MHz	> 30dB 100kHz to 300kHz > 33dB 300kHz to 500MHz	
Port match: R,A,B, RF IN	> 20dB		Typical
Switch Repeatability	+/- 0.03dB		Specifications
Source Match	> 15dB, 100kHz to 300kHz > 20dB, 300kHz to 500MHz		
Frequency Response	+/- 1dB		Typical
Insertion Loss RF IN to Port 1&2 RF IN to R,A,B	13dB 19dB	19dB 31dB	Nominal
Isolation between Port 1 and 2	110dB	100dB	Typical
Impedance Port 1&2 RF IN, R,A,B	50 Ohm 50 Ohm	75 Ohm 50 Ohm	Nominal
Connectors: Port 1 & 2	7mm (50 Ohm) 50 Ohm type-N(f) (option 001)	75 Ohm Type-N(f)	
Connectors: RF IN, R, A, B	50 Ohm type-N(f)		
Max. Input Level	+20dBm		
Dimensions	432mm x 90mm x 495mm		
Weight	5.7kg		