



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 | | |

