



85037A Precision Detector, 10 MHz to 18 GHz

Data Sheet

Frequency Range: 10 MHz to 18 GHz

Connector Type: 7 mm Type-N, male²

Dynamic Range:

AC Mode: +20 to -55 dBm

DC Mode: +20 to -50 dBm

Return Loss:

0.01 to 0.04 GHz: 10 dB

0.04 to 18 GHz: 20 dB

Frequency Response:

0.01 to 0.04 GHz: ± 0.35 dB

0.04 to 18 GHz: ± 0.18 dB

Dynamic Accuracy¹, Absolute Accuracy²:

Power @ 20 dBm: ± 0.25 dB ± 0.25 dB

Power @ 10 dBm: ± 0.11 dB ± 0.11 dB

Power @ -30 dBm: ± 0.11 dB ± 0.11 dB

Power @ -50 dBm: ± 0.85 dB ± 0.85 dB

¹Dynamic Accuracy refers to measurement accuracy as power varies (in dB) from a 0 dBm reference. 25 °C \pm 5 °C, 50 MHz

²DC mode, 25 °C \pm 5 °C