

## TK747 - Rohde & Schwarz NRP-Z22 Power Sensor

Model: NRP-Z22 Power Sensor

SKU:

Year:



### Description:

Rohde & Schwarz NRP-Z22 Power Sensor

Frequency range: 10 MHz to 18 GHz

### Matching (SWR):

10 MHz to 2.4 GHz

→ 2.4 GHz to 8.0 GHz

→ 8.0 GHz to 12.4 GHz

→ 12.4 GHz to 18 GHz

### Power Measurement Range:

Continuous Average 2 nW to 2 W (-57 dBm to +33 dBm)

Burst Average 2  $\mu$ W to 2 W (-27 dBm to +33 dBm)

Timeslot 7 nW to 2 W (-52 dBm to +33 dBm)<sup>3)</sup>

Scope 100 nW to 2 W (-40 dBm to +33 dBm)<sup>4)</sup>

### Max. power:

3 W (+35 dBm) continuous

10 W (+40 dBm) for max.

Transition ranges:

(- 9±1.5) dBm to (- 3±1.5) dBm

(+11±1.5) dBm to (+17±1.5) dBm

Display noise:

Path 1  $\leftarrow$  0.8 nW (0.4 nW typ.)

Path 2  $\leftarrow$  80 nW ( 40 nW typ.)

Path 3  $\leftarrow$  8  $\mu$ W ( 4  $\mu$ W typ.)

Zero offset:

Path 1  $\leftarrow$  1.3 nW (0.7 nW typ.)

Path 2  $\leftarrow$  0.12  $\mu$ W ( 60 nW typ.)

Path 3  $\leftarrow$  12  $\mu$ W ( 6  $\mu$ W typ.)

Zero drift:

Path 1  $\leftarrow$  0.4 nW

Path 2  $\leftarrow$  40 nW

Path 3  $\leftarrow$  4  $\mu$ W

