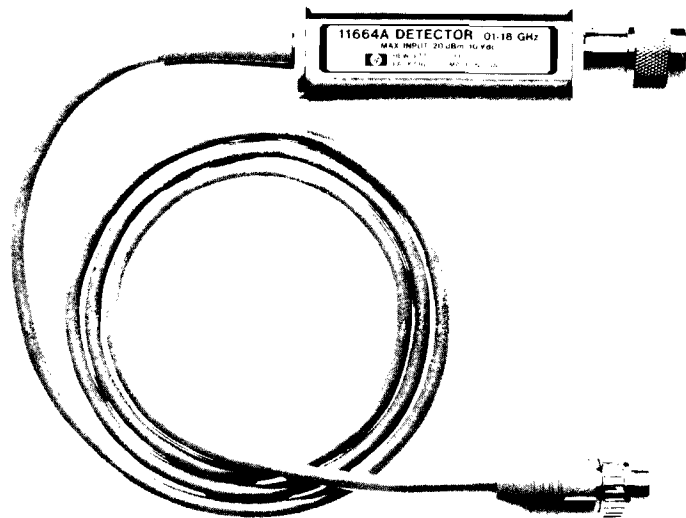




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# **HP 11664A DETECTOR**



**hp** HEWLETT  
PACKARD

# Model 11664A

Table 1-1. Specifications

## SPECIFICATIONS

### FREQUENCY

**Frequency Range:** 10 MHz to 18 GHz

### REFLECTION

**Return Loss (15 - 35° C):**

10 MHz to 40 MHz:  $\geq 10$  dB ( $\leq 1.92$  SWR)

40 MHz to 4 GHz:  $\geq 20$  dB ( $\leq 1.22$  SWR)

4 GHz to 12 GHz:  $\geq 18$  dB ( $\leq 1.29$  SWR)

12 GHz to 18 GHz:  $\geq 16$  dB ( $\leq 1.38$  SWR)

### TRACKING BETWEEN

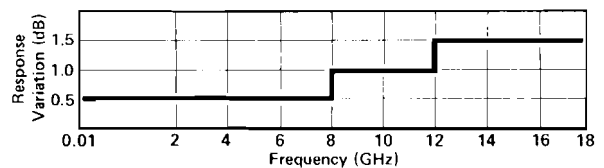
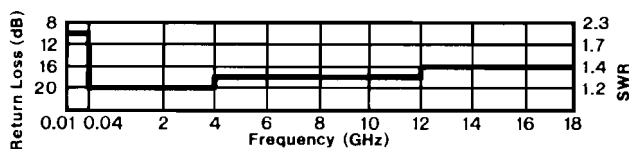
### TWO HP 11664A DETECTORS

Tracking between two HP 11664A Detectors:  
Specified at same relative power level. Does not include mismatch or coupler uncertainties.

10 MHz to 8 GHz:  $< 0.5$  dB

8 GHz to 12 GHz:  $< 1.0$  dB

12 GHz to 18 GHz:  $< 1.5$  dB



## GENERAL

**Input Power Range:** +10 to -50 dBm

**Temperature Range:** Operation: 0° to 55°C (32° to 131°F);  
Storage: -40° to 75°C (-40° to 167°F)

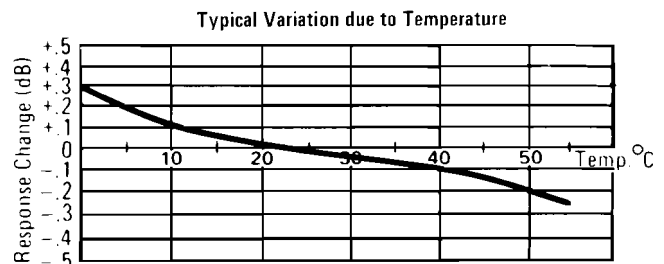
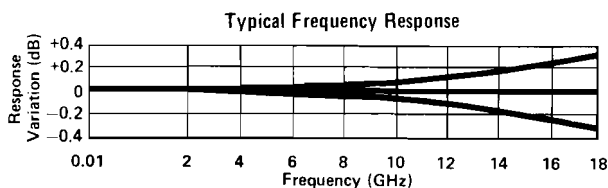
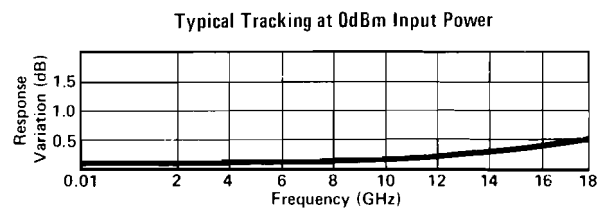
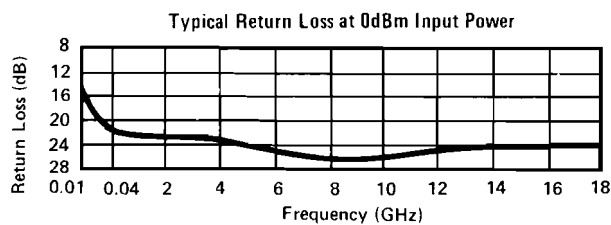
**Input Impedance:** 50 ohms nominal

**Connectors:** Standard: Type N male  
Option 001: APC-7®  
Special Order: Type N Female

**Dimensions:** Cable length is 1.2 metres (4 feet)

**Weight:** Net 0.17 kg (6 oz.)

Table 1-2. Supplemental Characteristics



## GENERAL

**Input Damage Level:**  
+ 20 dBm (100 mW) RF power 10 Vdc