

Table 1. Specifications

Model No. →	HP 8731B	HP 8732B	HP 8733B		HP 8734B
Frequency Range (GHz)	0.8—2.4	1.8—4.5	3.7—6.0	6.0—8.3	7.0—12.4
Dynamic Range (dB)	80	80	60	80	80
Min. Insertion Loss (dB) ¹	<2.0	<3.5 ²	<3.0		<5.0
Typical Rise Time (ns) ³	30	30	30		30
Typical Decay Time (ns) ³	20	20	20		20
SWR, Min. Attenuation	1.6	1.6 ⁴	2.0		2.0
SWR, Max. Attenuation	2.0	2.0	2.2		2.2
Max. Input Power, Peak or CW (watts)	1	1	1		1
Bias Limits (volts) ⁵	+20, -10	+20, -10	+20, -10		+20, -10
Typical Forward Bias Input Resistance (ohms) ⁶	100	100	100		100
RF Connector Type	N ⁷	N ⁷	N ⁷		N ⁷
Weight (lbs)	5.5	5.5	3.5		3.5
(kg)	2.5	2.5	1.6		1.6
Dimensions (See figure 17)					

¹ +5 Vdc bias² <4.0 dB, 4.0 to 4.5 GHz³ Driven by HP 8403A Modulator⁴ 2.0, from 4.0 to 4.5 GHz⁵ Negative voltage applies forward bias to diodes⁶ At attenuation levels of 10 dB or more⁷ Standard female type N