

85058V Verification Kit, 1.85 mm

The 85058V 1.85 mm verification kit is used with an 85058B/E 1.85 mm calibration kit and the PNA Series network analyzers. Use the 85058V verification kit to verify your measurement calibration and also to verify that your network analyzer system is operating within its specifications. This verification kit is traceable to the U.S. National Institute of Standards and Technology (NIST).

This 1.85 mm verification kit includes 10 and 40 dB attenuators with data, 50 Ω airline with data, and 25 Ω mismatch airline with data.



R11645A

R11645A W-28 Verification Kit

The R band millimeter-waveguide verification kit is used with the R11644A calibration kit and network analyzer systems, such as the PNA Series. Use the R11645A series verification kit to verify that your network analyzer system is working within its specifications, and that you have performed a valid measurement calibration. This verification kit is traceable to the U.S. National Institute of Standards and Technology (NIST).

This wave guide WR-28 verification kit includes 20 and 50 dB attenuators with data, match waveguide section with data, and mismatch waveguide section with data.



Q11645A

Q11645A W-22 Verification Kit

The Q band millimeter-waveguide verification kit is used with the Q11644A calibration kit and network analyzer systems, such as the PNA Series. Use the Q11645A Series verification kit to verify that your network analyzer system is working within its specifications, and that you have performed a valid measurement calibration. This verification kit is traceable to the U.S. National Institute of Standards and Technology (NIST).

This wave guide WR-22 verification kit includes 20 and 50 dB attenuators with data, match waveguide section with data, and mismatch waveguide section with data.



U11645A

U11645A W-19 Verification Kit

The U band millimeter-waveguide verification kit is used with the U11644A calibration kit and network analyzer systems, such as the Agilent PNA Series. Use the U11645A Series verification kit to verify that your network analyzer system is working within its specifications, and that you have performed a valid measurement calibration. This verification kit is traceable to the U.S. National Institute of Standards and Technology (NIST).

This wave guide WR-19 verification kit includes 20 and 50 dB attenuators with data, match waveguide section with data, and mismatch waveguide section with data.



V11645A W-15 Verification Kit

The V band millimeter-waveguide verification kit is used with the V11644A calibration kit and network analyzer systems, such as the PNA Series. Use the V11645A Series verification kit to verify that your network analyzer system is working within its specifications, and that you have performed a valid measurement calibration. This verification kit is traceable to the U.S National Institute of Standards and Technology (NIST).

This wave guide WR-15 verification kit includes 20 and 50 dB attenuators with data, match waveguide section with data, and mismatch waveguide section with data.



W11645A W-10 Verification Kit

The W band millimeter-waveguide verification kit is used with the W11644A calibration kit and network analyzer systems, such as the PNA Series. Use the W11645A Series verification kit to verify that your network analyzer system is working within its specifications, and that you have performed a valid measurement calibration. This verification kit is traceable to the U.S National Institute of Standards and Technology (NIST).

This wave guide WR-10 verification kit includes 20 and 50 dB attenuators with data, match waveguide section with data, and mismatch waveguide section with data.

Coaxial Electronic Calibration Kits (ECal)

Connector	Frequency range (GHz)	Type	VNA calibration accuracy	Model	Available options	Page
Type-F (75 Ω)	300 kHz to 3 GHz	2-port	N/A	85099C	UK6, 00F, 00M, M0F, 00A	180
Type-N (75 Ω)	300 kHz to 3 GHz	2-port	N/A	85096C	UK6, 00F, 00M, M0F, 00A	180
Type-N (50 Ω)	300 kHz to 9 GHz	2-port	1% – 0.1%	85092C	1A7, A6J, UK6, 00F, 00M, M0F, 00A	180
Type-N (50 Ω)	300 kHz to 13.5 GHz	4-port		N4431B Option 020	1A7, A6J, UK6	180
Type-N (50 Ω)	300 kHz to 18 GHz	2-port		N4690B	1A7, A6J, UK6, 00F, 00M, M0F, 00A	180
Type-N (50 Ω)	300 kHz to 18 GHz	4-port		N4432A Option 020	N/A	
7-16	300 kHz to 7.5 GHz	2-port	N/A	85098C	UK6, 00F, 00M, M0F, 00A ¹	180
7 mm	300 kHz to 9 GHz	2-port	1% – 0.1%	85091C	1A7, A6J, UK6	180
7 mm	300 kHz to 18 GHz	2-port		N4696B	1A7, A6J, UK6	180
7 mm	300 kHz to 18 GHz	4-port		N4432A Option 030	N/A	
3.5 mm	300 kHz to 9 GHz	2-port	2% – 0.2%	85093C	1A7, A6J, UK6, 00F, 00M, M0F, 00A ²	180
3.5 mm	300 kHz to 13.5 GHz	4-port		N4431B Option 010	1A7, A6J, UK6	180
3.5 mm	300 kHz to 20 GHz	4-port		N4433A Option 010	N/A	
3.5 mm	300 kHz to 26.5 GHz	2-port		N4691B	1A7, A6J, UK6, 00F, 00M, M0F, 00A ²	180
2.92 mm	10 MHz to 40 GHz	2-port		N4692A	1A7, A6J, UK6, 00F, 00M, M0F, 00A ³	180
2.4 mm	10 MHz to 50 GHz	2-port		N4693A	1A7, A6J, UK6, 00F, 00M, M0F, 00A ⁴	180
1.85 mm	10 MHz to 67 GHz	2-port		N4694A	1A7, A6J, UK6, 00F, 00M, M0F, 00A ⁵	180

Mechanical Verification Kits

Connector	Frequency range (GHz)	Type	VNA calibration accuracy	Agilent model	Available options	Page
Type-N (50 Ω)	300 kHz to 18 GHz	Precision	N/A	85055A	1A7, A6J, UK6	181
7 mm	300 kHz to 18 GHz	Precision	N/A	85051B	1A7, A6J, UK6	181
3.5 mm	300 kHz to 26.5 GHz	Precision	N/A	85053B	1A7, A6J, UK6	181
2.4 mm	0.045 to 50 GHz	Precision	N/A	85057B	1A7, A6J, UK6	181
1.85 mm	0.010 to 67	Precision	N/A	85058V	1A7, A6J, UK6	182
WR-28	26.5 to 40	Precision	N/A	R11645A	1A7, A6J, UK6	182
WR-22	33 to 50	Precision	N/A	Q11645A	1A7, A6J, UK6	182
WR-19	40 to 60	Precision	N/A	U11645A	1A7, A6J, UK6	182
WR-15	50 to 75	Precision	N/A	V11645A	1A7, A6J, UK6	183
WR-10	75 to 110	Precision	N/A	W11645A	1A7, A6J, UK6	183

Option description

1A7 ISO 17025 compliant calibration

A6J ANSI Z540 compliant calibration

UK6 Commercial calibration certificate with test data

00M Includes male standards and male-male adapter

00F Includes female standards and female-female adapter

M0F Includes male and female standards & adapters

00A Add type-N adapters

00A ¹ Add 7-16 adapters

00A ² Add 3.5 mm adapters

00A ³ Add 2.92 mm adapters

00A ⁴ Add 2.4 mm adapters

00A ⁵ Add 1.85 mm adapters

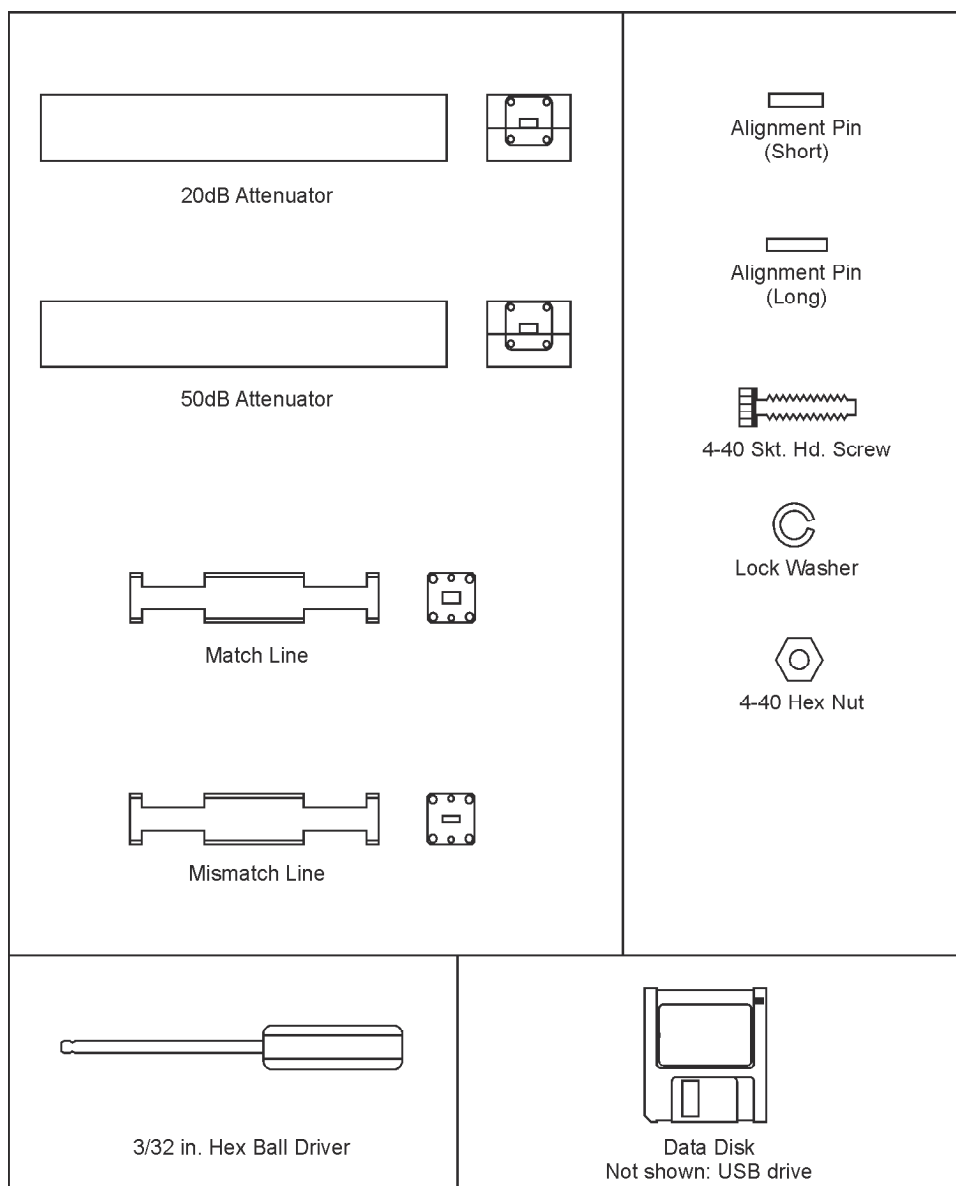
001 Adds data for Agilent 8702 lightwave component analyzer

010 Four 3.5 mm (f) connectors

020 Four type-N, 50 Ω (f) connectors

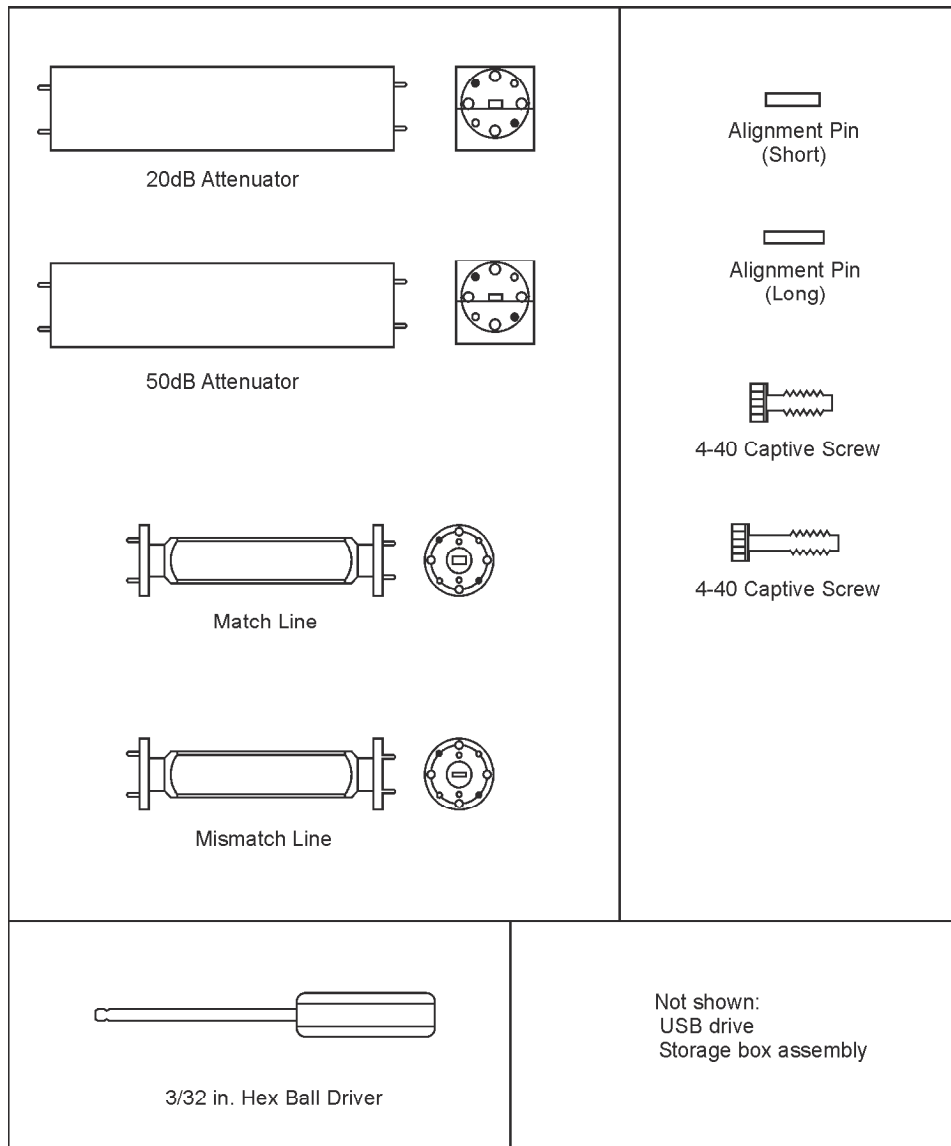
030 Four 7 mm connectors

Figure 6-1 R-Band Component Identification Sheet



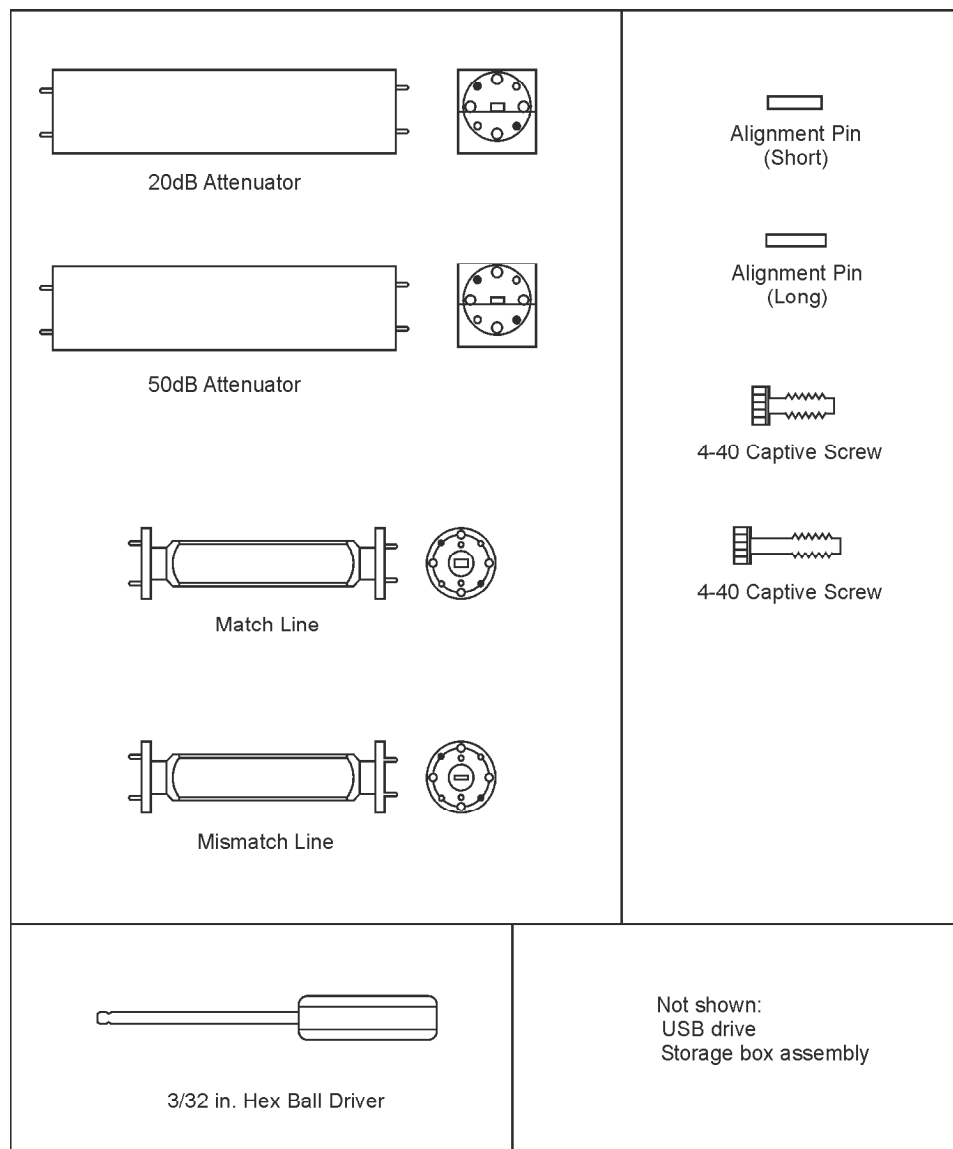
xd901a

Figure 6-2 Q-Band Component Identification Sheet



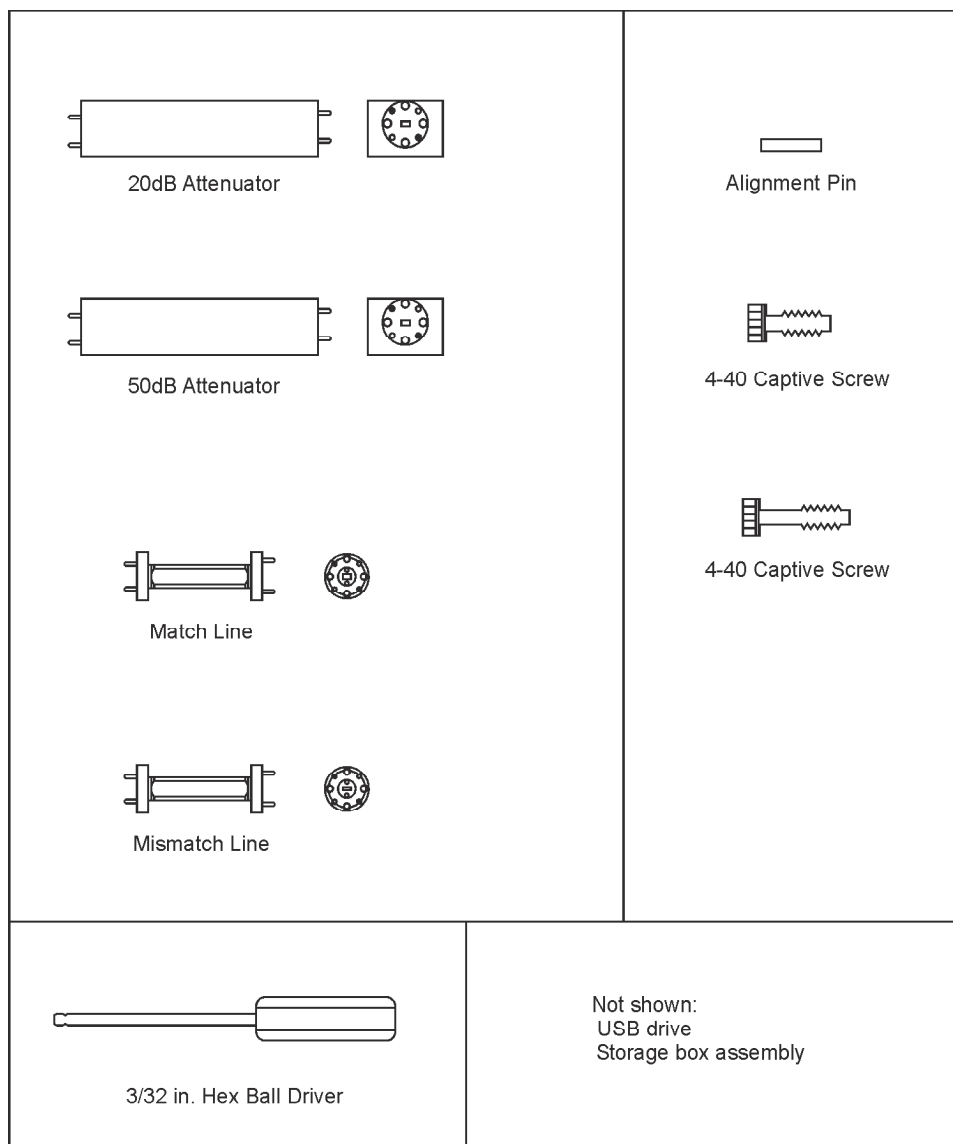
xd902a

Figure 6-3 U-Band Component Identification Sheet



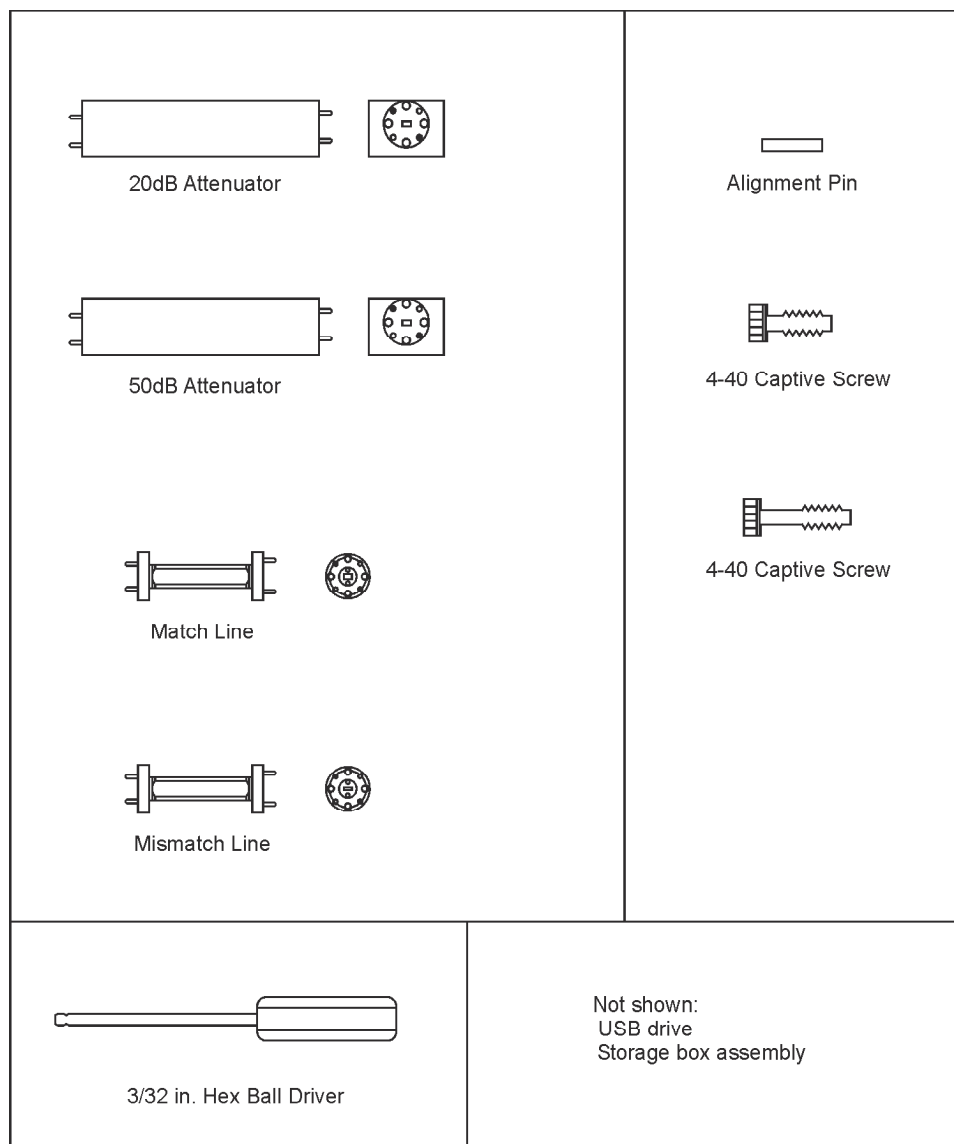
xd902a

Figure 6-4 V-Band Component Identification Sheet



xd903a

Figure 6-5 W-Band Component Identification Sheet



xd903a