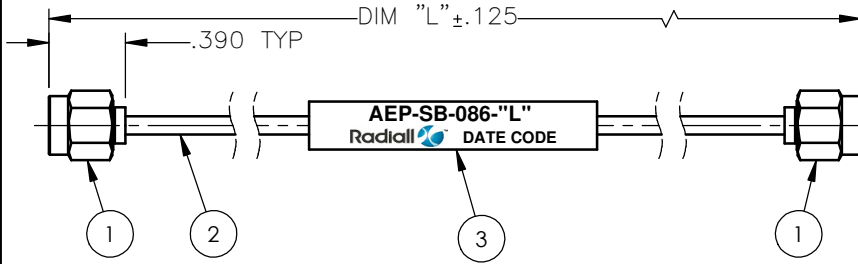
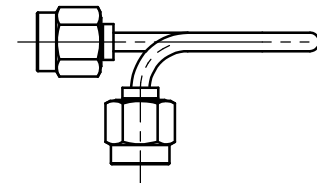
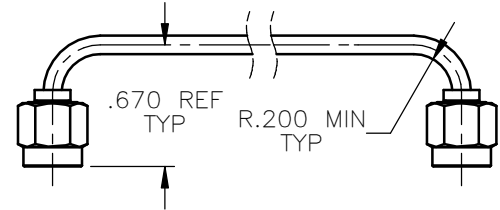




REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
C	UPDATED NOTE 1	02/10/14	E.M.
D	ECN #9052	04/01/14	E.M.
E	ECN #9073	04/25/14	E.M.
F	UPDATED NOTES 2 & 3	06/03/14	E.M.
G	UPDATED ITEM 2 DESCRIPTION	01/22/15	E.M.



**CONFIGURATION EXAMPLES SHOWN BELOW.**



**COMPONENTS:**

- ITEM 1: SMA STRAIGHT PLUG
- ITEM 2: COAXIAL, FLEXIBLE, AEP SHORT-BEND 086
- ITEM 3: MARKER, WRAP-AROUND OR HEAT SHRINK SLEEVING MATERIAL

**NOTES:**

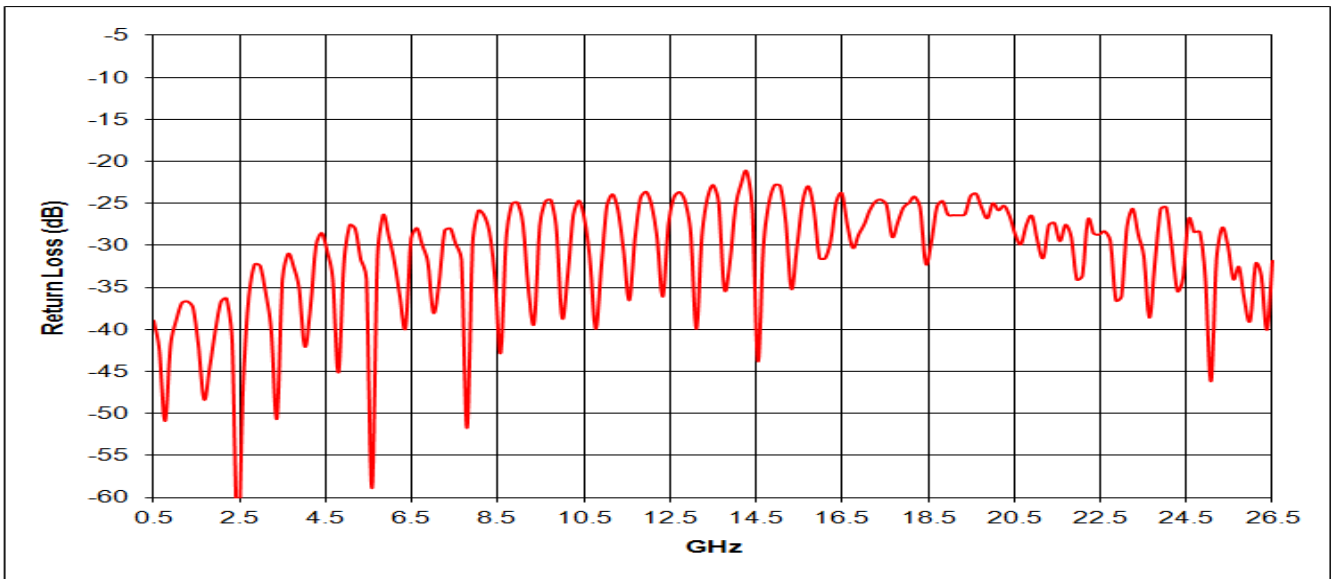
1. "XXXX" REPRESENTS LENGTH "L" IN INCHES.  
EXAMPLE: 81-6200-0600 OR AEP-SB-086-0600 INDICATES 6 INCHES OVERALL LENGTH.
2. MECHANICAL CHARACTERISTICS:
  - PULL STRENGTH: 15 LBS.
  - NUMBER OF FLEXURES: 1 AT R.200" AND 5 AT R.250".
3. ENVIROMENTAL CHARACTERISTICS:
  - OPERATING TEMPERATURE RANGE: -55 ° C TO +125 °C.
  - SHOCK: PER MIL-STD-202, METHOD 213B, TEST CONDITION A, 40G, 11MS.
  - VIBRATION: PER MIL-STD-202, METHOD 214A, TEST CONDITION I B, 1-1/2 HOUR/AXIS .
4. ELECTRICAL CHARACTERISTICS:
  - IMPEDANCE: 50 Ohms
  - FREQUENCY: RETURN LOSS AND INSERTION LOSS PER TABLE 1. SEE PAGE 2.
5. NO MARKING ON ASSEMBLY SHORTER THAN 3 INCHES.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	DWN: DATE		Property of Radiall			
	E.M. 09/04/12		This document cannot be reproduced or communicated to a third party without prior written permission of RADIALL.			
DECIMAL	ANGLE	CHKD: DATE	CONTROL DRAWING CABLE ASSEMBLY AEPSHORTBEND-086-XXXX			
		G.L. 09/04/12				
		APVD: DATE	SIZE	FSCM NO.	DWG NO.	REV
		J.M. 09/04/12	A	19505	81-6200-XXXX	G
REFERENCE: EPC11-0-4	MATERIAL & FINISHES:	SEE ABOVE	SCALE	1:1	THIRD ANGLE PROJECTION	SHEET 1 OF 2
ORIGINATED: E.M. DATE: 09/04/12						



81-6200-XXXX

AEPSHORTBEND-086-1200	1200 (12")	- 20.83	- 19.08	- 16.54	- 14.72	0.45	1.08	1.36	1.71
AEPSHORTBEND-086-1100	1100 (11")	- 20.83	- 19.08	- 16.54	- 14.72	0.42	1.01	1.27	1.60
AEPSHORTBEND-086-1000	1000 (10")	- 20.83	- 19.08	- 16.54	- 14.72	0.39	0.94	1.19	1.50
AEPSHORTBEND-086-0900	0900 (9")	- 20.83	- 19.08	- 16.54	- 14.72	0.37	0.88	1.10	1.39
AEPSHORTBEND-086-0800	0800 (8")	- 20.83	- 19.08	- 16.54	- 14.72	0.34	0.81	1.01	1.28
AEPSHORTBEND-086-0700	0700 (7")	- 20.83	- 19.08	- 16.54	- 14.72	0.32	0.74	0.93	1.18
AEPSHORTBEND-086-0600	0600 (6")	- 20.83	- 19.08	- 16.54	- 14.72	0.29	0.67	0.85	1.07
AEPSHORTBEND-086-0500	0500 (5")	- 20.83	- 19.08	- 16.54	- 14.72	0.27	0.60	0.76	0.96
AEPSHORTBEND-086-0450	0450 (4.5")	- 20.83	- 19.08	- 16.54	- 14.72	0.26	0.57	0.72	0.91
AEPSHORTBEND-086-0400	0400 (4")	- 20.83	- 19.08	- 16.54	- 14.72	0.24	0.53	0.68	0.86
AEPSHORTBEND-086-0350	0350 (3.5")	- 20.83	- 19.08	- 16.54	- 14.72	0.23	0.50	0.63	0.80
AEPSHORTBEND-086-0300	0300 (3")	- 20.83	- 19.08	- 16.54	- 14.72	0.22	0.46	0.59	0.75
AEPSHORTBEND-086-0250	0250 (2.5")	- 20.83	- 19.08	- 16.54	- 14.72	0.21	0.43	0.55	0.70
<b>ASSY. NO.</b>	<b>DIM "L"</b>	<b>2.0 GHz</b>	<b>12.4 GHz</b>	<b>18 GHz</b>	<b>26.5 GHz</b>	<b>2.0 GHz</b>	<b>12.4 GHz</b>	<b>18 GHz</b>	<b>26.5 GHz</b>
		<b>RETURN LOSS, dB MAX</b>				<b>INSERTION LOSS, dB MAX AT 20 °C</b>			

TABLE 1.



TYPICAL RETURN LOSS ON 6 INCHES CABLE ASSEMBLY SHOWN ABOVE.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	DWN: E.M.	DATE 09/04/12	 Property of Radiall This document cannot be reproduced or communicated to a third party without prior written permission of RADIALL.	
	DECIMAL	ANGLE		
		APVD: J.M.	DATE 09/04/12	<b>CONTROL DRAWING</b> <b>CABLE ASSEMBLY</b> <b>AEPSHORTBEND-086-XXXX</b>
REFERENCE: EPC11-0-4	MATERIAL:	SIZE A	FSCM NO. 19505	
ORIGINATED: E.M. DATE: 09/04/12		SCALE 1:1	THIRD ANGLE PROJECTION	REV G
				SHEET 2 OF 2

81-6200-XXXX

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[GD0BQ0BQ024.0](#) [1-3636-600-5210](#) [TL8A-11SMA-11SMA-01500-51](#) [R284C0351060](#) [R288940009](#) [R284C0351028](#) [R288940002](#) [9702-](#)  
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