

COMPONENTS:

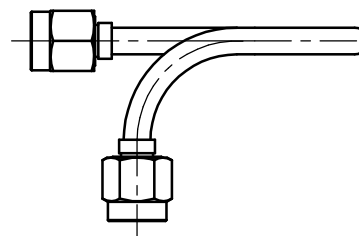
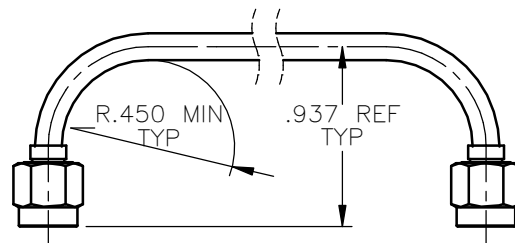
- ITEM 1: SMA STRAIGHT PLUG
ITEM 2: COAXIAL, FLEXIBLE, AEP SHORT-BEND 141
ITEM 3: MARKER, WRAP-AROUND OR HEAT SHRINK SLEEVING MATERIAL

NOTES:

- "XXXX" REPRESENTS LENGTH "L" IN INCHES.
EXAMPLE: 81-6201-1200 OR AEP-SB-141-1200 INDICATES 12 INCHES OVERALL LENGTH.
- MECHANICAL CHARACTERISTICS:
 - PULL STRENGTH: 15 LBS.
 - NUMBER OF FLEXURES : 1 AT R.450" AND 5 AT R.900".
- ENVIRONMENTAL 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, CONDITION I B, 1-1/2 HOUR/AXIS .
- ELECTRICAL CHARACTERISTICS:
 - IMPEDANCE: 50 Ohms
 - FREQUENCY: RETURN LOSS AND INSERTION LOSS PER TABLE 1. SEE PAGE 2.
- NO MARKING ON ASSEMBLY SHORTER THAN 3 INCHES.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	RELEASE	04/28/14	E.M.
B	UPDATED NOTES 2 & 3	06/03/14	E.M.
C	UPDATED ITEM 2 DESCRIPTION	01/22/15	E.M.

CONFIGURATION EXAMPLES SHOWN BELOW.

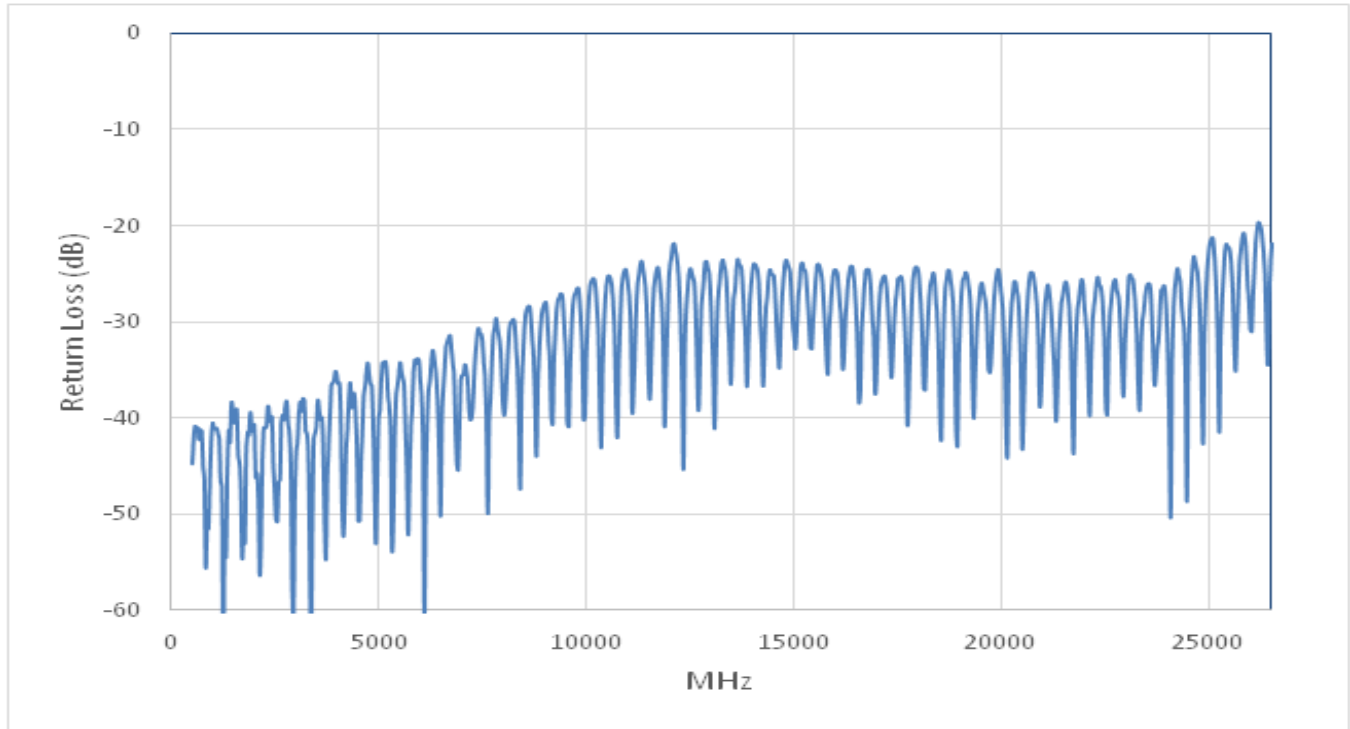


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON		DWN: DATE E.M. 08/19/13	Property of Radiall This document cannot be reproduced or communicated to a third party without prior written permission of RADIALL. 				
		CHKD: DATE G.L. 08/19/13					
DECIMAL	ANGLE	APVD: DATE J.M. 08/19/13	CONTROL DRAWING CABLE ASSEMBLY AEP SHORTBEND-141-XXXX				
REFERENCE: EPC11-0-4		MATERIAL & FINISHES: SEE ABOVE	SIZE A	FSCM NO. 19505	DWG NO. 81-6201-XXXX	REV C	
ORIGINATED: E.M. DATE: 08/19/13			SCALE 1:1		THIRD ANGLE PROJECTION		SHEET 1 OF 2

81-6201-XXXX

AEPSHORTBEND-141-1200	1200 (12")	- 20.83	- 19.08	- 16.54	- 14.72	0.33	0.75	0.93	1.17
AEPSHORTBEND-141-1100	1100 (11")	- 20.83	- 19.08	- 16.54	- 14.72	0.31	0.71	0.88	1.11
AEPSHORTBEND-141-1000	1000 (10")	- 20.83	- 19.08	- 16.54	- 14.72	0.30	0.66	0.83	1.05
AEPSHORTBEND-141-0900	0900 (9")	- 20.83	- 19.08	- 16.54	- 14.72	0.28	0.62	0.78	0.99
AEPSHORTBEND-141-0800	0800 (8")	- 20.83	- 19.08	- 16.54	- 14.72	0.27	0.58	0.73	0.92
AEPSHORTBEND-141-0700	0700 (7")	- 20.83	- 19.08	- 16.54	- 14.72	0.25	0.54	0.68	0.86
AEPSHORTBEND-141-0600	0600 (6")	- 20.83	- 19.08	- 16.54	- 14.72	0.23	0.50	0.64	0.80
AEPSHORTBEND-141-0500	0500 (5")	- 20.83	- 19.08	- 16.54	- 14.72	0.22	0.46	0.59	0.74
AEPSHORTBEND-141-0450	0450 (4.5")	- 20.83	- 19.08	- 16.54	- 14.72	0.21	0.44	0.56	0.71
AEPSHORTBEND-141-0400	0400 (4")	- 20.83	- 19.08	- 16.54	- 14.72	0.20	0.42	0.54	0.68
AEPSHORTBEND-141-0350	0350 (3.5")	- 20.83	- 19.08	- 16.54	- 14.72	0.20	0.40	0.51	0.65
AEPSHORTBEND-141-0300	0300 (3")	- 20.83	- 19.08	- 16.54	- 14.72	0.19	0.38	0.49	0.62
AEPSHORTBEND-141-0250	0250 (2.5")	- 20.83	- 19.08	- 16.54	- 14.72	0.18	0.36	0.46	0.59
ASSY. NO.	DIM. "L"	2.0 GHz	12.4 GHz	18 GHz	26.5 GHz	2.0 GHz	12.4 GHz	18 GHz	26.5 GHz
		RETURN LOSS, dB MAX				INSERTION LOSS, dB MAX AT 20 °C			

TABLE 1.



TYPICAL RETURN LOSS ON 12 INCH CABLE ASSEMBLY SHOWN ABOVE.

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		CHKD: G.L.	DATE 08/19/13		
DECIMAL	ANGLE	APVD: J.M.	DATE 08/19/13	CONTROL DRAWING CABLE ASSEMBLY AEPSHORTBEND-141-XXXX	
REFERENCE: EPC11-0-4		MATERIAL & FINISHES:			
ORIGINATED: E.M. DATE: 08/19/13		SIZE A	FSCM NO. 19505	DWG NO. 81-6201-XXXX	REV C
		SCALE 1:1		THIRD ANGLE PROJECTION	SHEET 2 OF 2

81-6201-XXXX