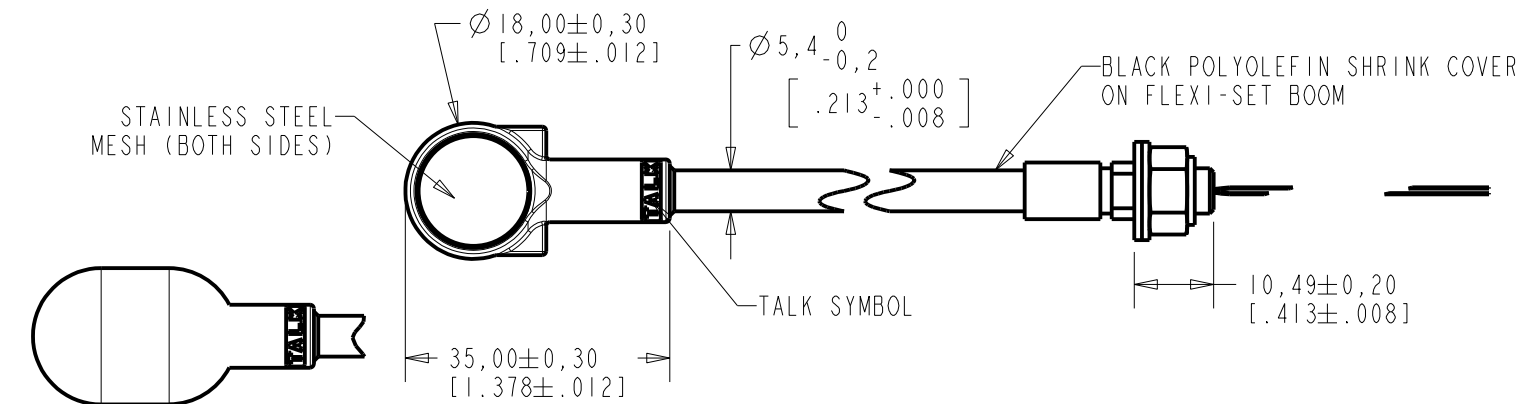


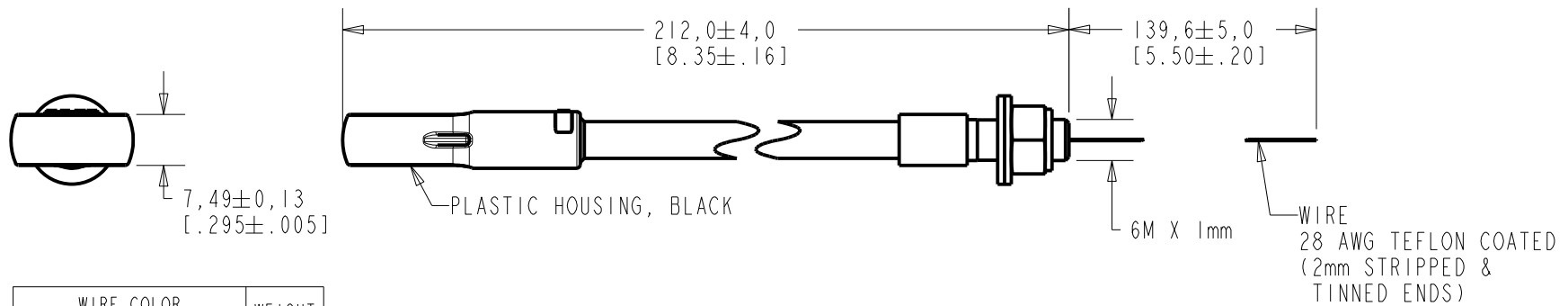
FB-EI-30026-000

SHT 1.1

NOTES:
1. LASER MARK, SEE WORK INSTRUCTION.



RED CONTROLLED



WIRE COLOR			WEIGHT GRAMS
+ve	OUTPUT	-ve	
RED	-	BLACK	t.b.d.

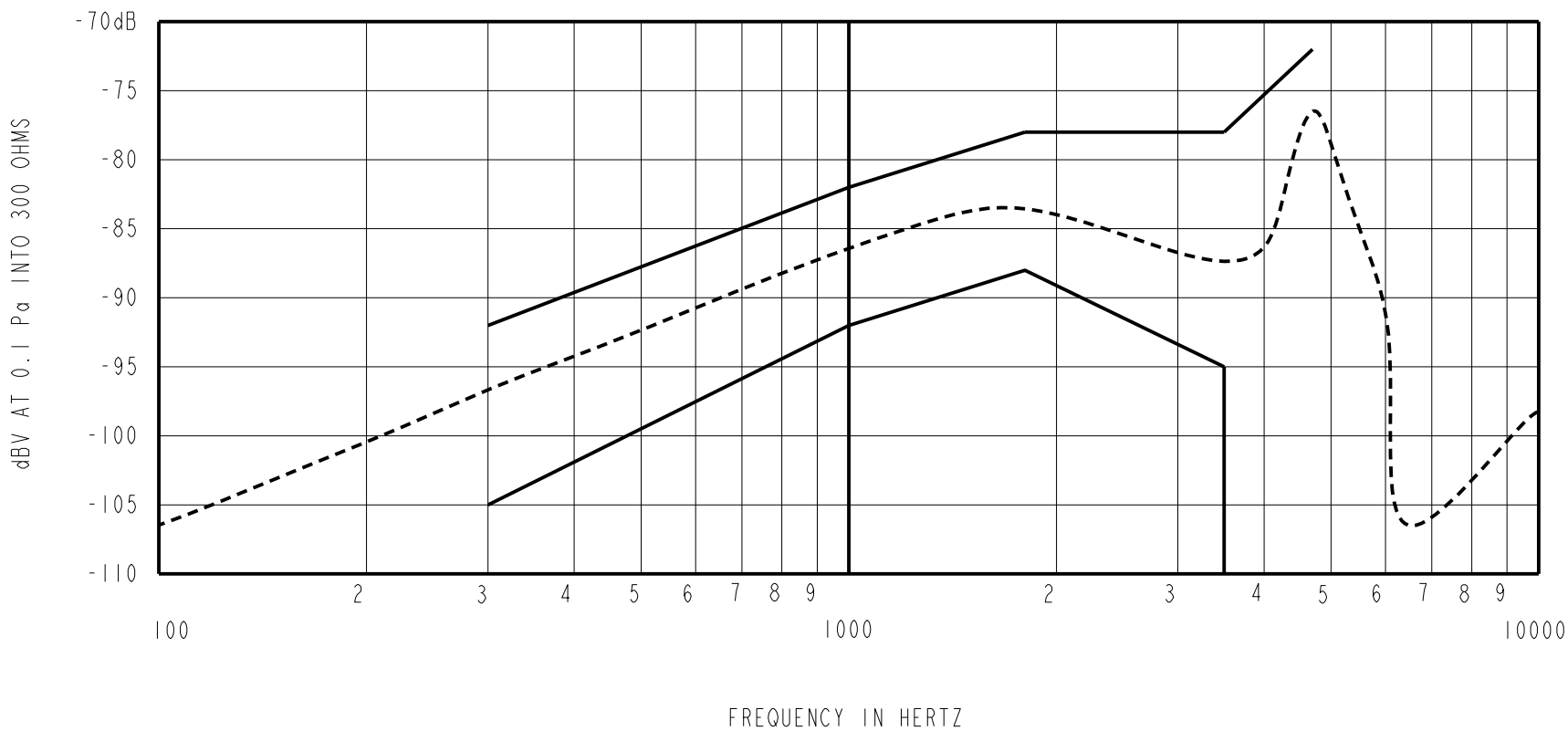
DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	H
H	C40101206	3-4-13		
G	C40100594	2-28-11		
SCALE: 1:1			DR. BY	DATE
DO NOT SCALE DRAWING			CRG	4-28-08
TITLE: BOOM MICROPHONE FB-EI-30026-000			CK. BY	DATE
			GJP	8-4-06
			APP. BY	DATE
OUTLINE DRAWING			GJP	8-4-06
SHT 1.1				

KE111ASIZE.FRM

Rev: B

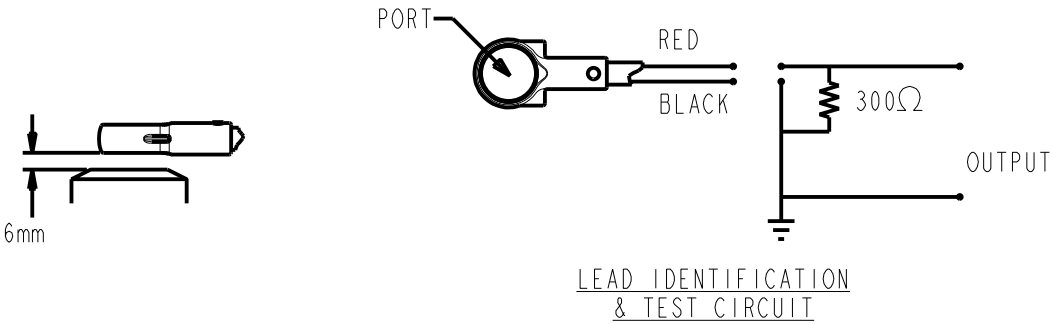


NOTES:

1. SENSITIVITY VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.
2.

FREQUENCY	NIN.	NOM.	MAX.
300	-105	-97.5	-92
1000	-92	-87	-82
1800	-88	-83	-78
3500	-95	-87.5	-78
4000	---	-86.5	---
4700	---	-76.5	-72
3. TEST CONDITIONS:
HEAD OF BOOM EXPOSED TO 94 dBSPL SWEPT
SOUND FIELD AT 6mm FROM VOICE APERTURE.
ARTIFICIAL VOICE:
B & k 4227 MOUTH SIMULATOR.
4. FOR MICROPHONE CAPSULE SPEC. SEE DRAWING BJ-28471-000 SHEET 2.1.

RED CONTROLLED



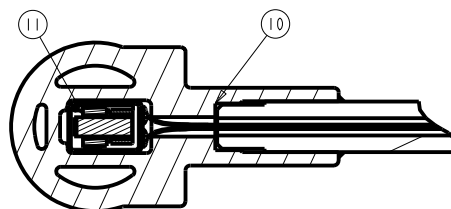
KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
H	C40101206	3-4-13	Active	H
G	C40100594	2-28-11		
WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION			DR. BY	DATE
TITLE: BOOM MICROPHONE PERFORMANCE SPECIFICATION			CRG	4-28-08
			CK. BY	DATE
			GJP	8-4-06
FB-E I -30026-000 SHT 2.1			APP. BY	DATE
			GJP	8-4-06

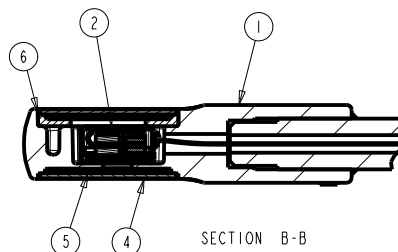
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FB-EI-30026-000

(4X), BOTH SIDES



SECTION A-A



SECTION B-B

NOTES:

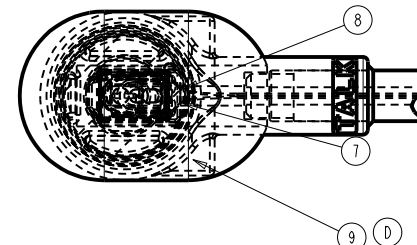
1. ITEM NUMBERS (SHOWN THUS **b**) ON DRAWING CORRESPOND WITH ITEM NUMBERS ON BILL OF MATERIAL.

(D) 2 ATTACH ITEM (4) TO ITEM (1) IN 4 PLACES MINIMUM ON EACH SIDE USING CEMENT (ITEM (6)).

(D) 3 SEAL BOOM END WITH ITEM (12). BUILD UP TO BE 2mm MAX.

(D) 4 WATERPROOF SEAL BETWEEN ITEMS (1) & (6) WITH CEMENT.

(E) 5. ITEM (1) (FB-044) MUST USE VERSION F OR ABOVE.



TOP VIEW
W/ WINDSHIELD SHOWN
SCALE: 2:1

RED CONTROLLED

DIMENSIONS IN MILLIMETERS [INCHES]

MATERIAL SEE BILL OF MATERIALS				FINISH	SCALE: 2:1	DO NOT SCALE DRAWING
REF. 10-1747	F I.c.o. C10107747	RENAME IN PROJ. FROM FB-30026-000 TO FB-EI-30026-000	REVISE CABLE LENGTH AND CABLE TYPE TO FB-EI-30026-000	UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES	KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.	
G I.c.o. C40100594	REVISE CABLE LENGTH AND CABLE TYPE TO FB-EI-30026-000	H I.c.o. C40101206	UPDATE THE REVISION TO 3-4-13	THIRD ANGLE PROJECTION		
				TITLE		DO NOT SCALE DRAWING
				BOOM MICROPHONE ASSEMBLY		DR. BY DATE CRG 4-28-08
				FB-EI-30026-000		CH. BY DATE GJP 8-4-06
				SHEET 3.1		APP. BY DATE GJP 8-4-06

KEY: 1. SIZE, FORM REV: B

H
E
E
G

FB-EI-30026-000			KNOWLES ELECTRONICS			FB-EI-30026-000		
Sheet 4.1			ITASCA, ILLINOIS U.S.A.			Sheet 4.1		
By Dr. CRG			Date 4-28-08			Revision		
Ch. GJP			8-4-06			H		
App. GJP			8-4-06			Release Level		
			Subject: BOOM MICROPHONE ASSEMBLY			Active		
COL. 1		2	3		4	Item No.		Line No.
Part or Dwg. no.		Tot. Req.	Nomenclature:		Applicable Specs or Remarks			
FB-044		1	HOUSING			1		1
BJ-28471-000		1	MICROPHONE ASSEMBLY			2		2
FB-189-172		1	FLEXIBLE BOOM 5.4 mm			3		3
FB-037		2	SCREEN DISC			4		4
FB-234		2	MEMBRANE			5		5
FB-045		1	COVER			6		6
FB-070-011		1	WIRE BLACK TEFLON			7		7
FB-070-008		1	WIRE RED TEFLON			8		8
FB-042		1	WINDSHIELD			9		9
13-092-080102		A/R	CEMENT			10		10
13-092-120103		A/R	CEMENT			11		11
13-591		A/R	SILICONE SEALANT			12		12
FB-201		1	BULKHEAD CONNECTOR			13		13
FB-051		1	NUT			14		14
FB-052		2	WASHER			15		15

RED CONTROLLED

REVISION	F	c.o.	C10107747	RENAME IN PRO/E FROM FB-30026-000 TO FB-EI-30026-000 TT 8-11-08	G	c.o.	C40100594	REVISE CABLE LENGTH AND CEMENT PN CW 2-28-11	H	c.o.	C40101206	FB-234 WAS FB-038 00 3-4-13	FB-EI-30026-000 Sheet 4.1
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REV: 0

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Knowles:

[FB-EI-30026-000](#)