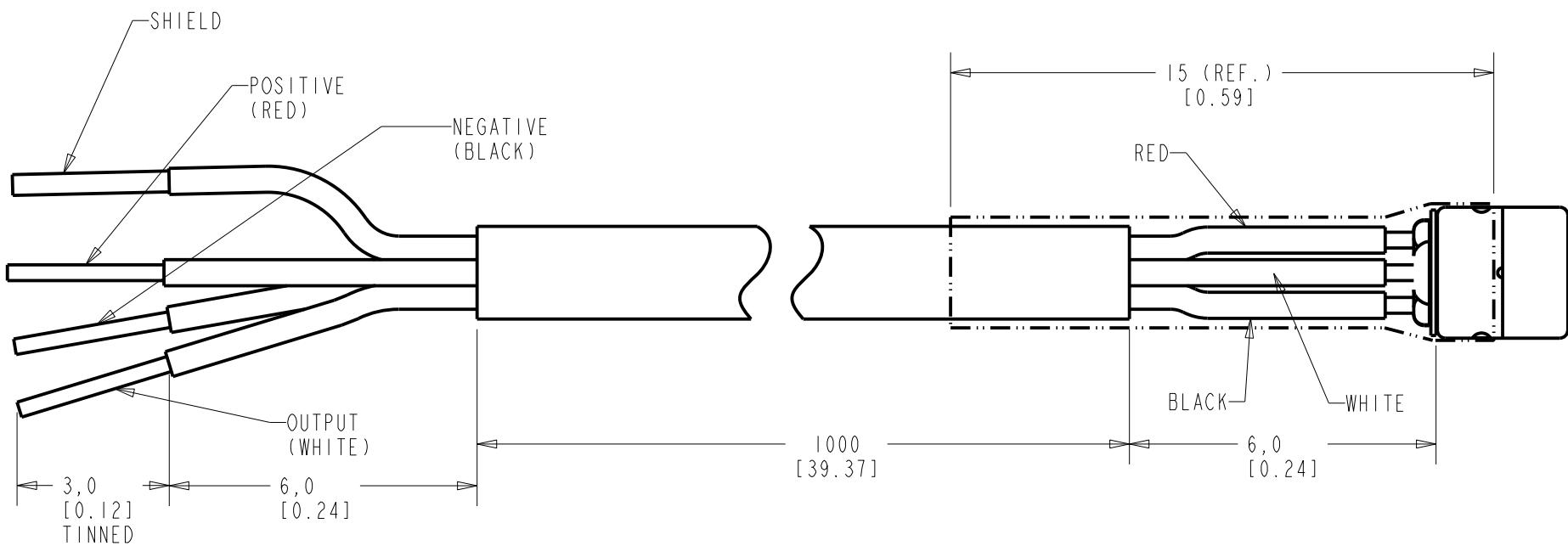


FC-23329-P07

SHT 1.1

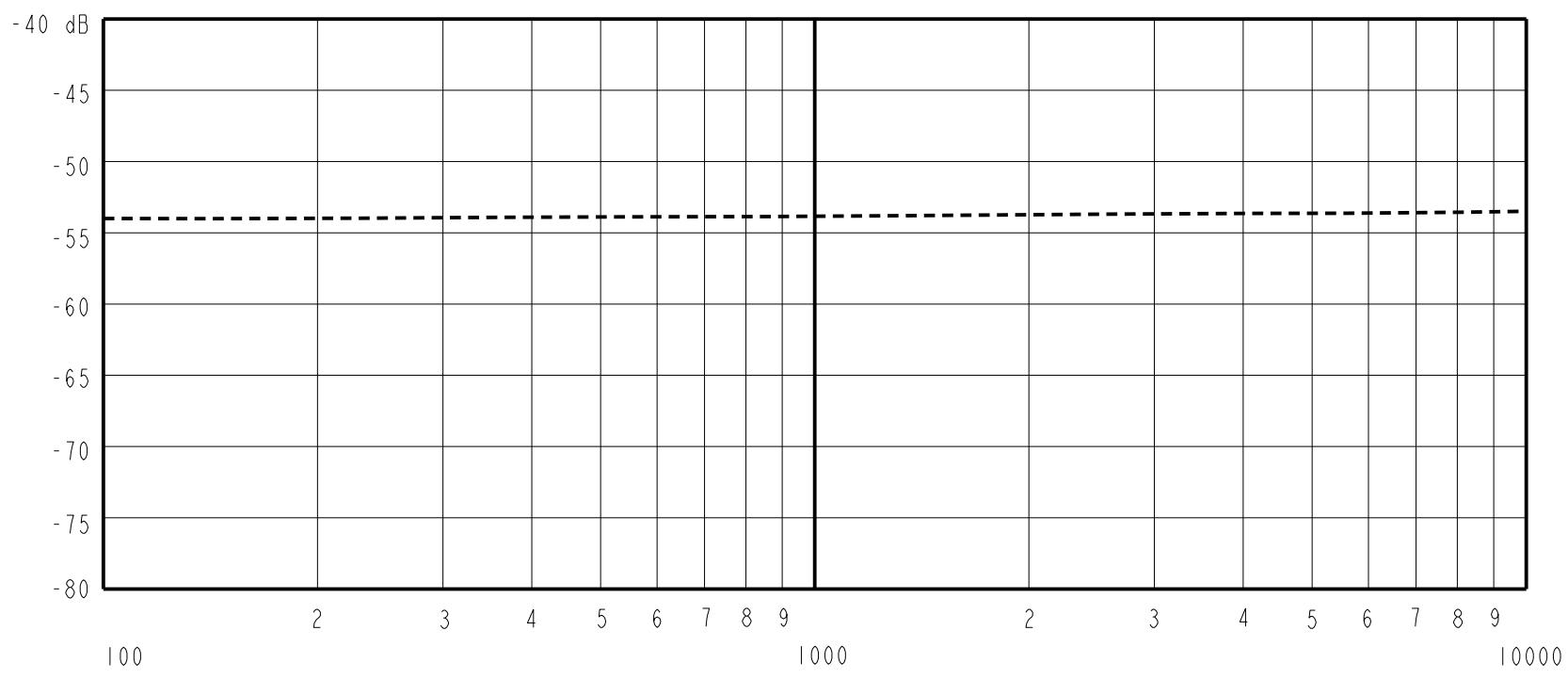


DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
F	C40101313	10-08-13	Active	F
E	C40101137	10-30-12		
D	C40101079	8-15-12		
SCALE: 8:1 DO NOT SCALE DRAWING			DR. BY MMM	DATE 11-21-05
TITLE: MICROPHONE/CABLE			CK. BY GJP	DATE 11-22-05
FC-23329-P07 OUTLINE DRAWING			APP. BY GJP	DATE 11-22-05
SHT 1.1			KE111ASIZE.FRM Rev: B	

SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa (N/m²)
FOR CONDITIONS SHOWN BELOW.



FREQUENCY	SENSITIVITY			DEVICE CONFORMITY		
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz		
100	---	-54.0	---	-3.0	+3.0	
1000	-57.0	-54.0	-51.0	0.0	0.0	
10000	---	-53.5	---	-3.0	+4.0	

NOTES:

1. CASE CONNECTED TO NEGATIVE TERMINAL.
2. MICROPHONE TO BE FUNCTIONAL WITH 3.0 VDC SUPPLY.
3. TYPICAL SENSITIVITY TO HUMIDITY AT 1000Hz IS 0.06 dB/%RH.
4. SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.

PORT LOCATION	DC SUPPLY	AMPLIFIER CURRENT DRAIN	SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9VDC	"A" WEIGHTED NOISE (1KHz EQUIV. SPL)	OUTPUT IMPEDANCE OHMS		
					MIN.	NOM.	MAX.
I2S	1.3V	50 μ A MAX.	3 dB MAX.	30.0 dB MAX.	2800	4400	6800

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
F	C40101313	10-08-13	Active	F
E	C40101137	10-30-12		
D	C40101079	8-15-12		

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

TITLE: MICROPHONE/CABLE FC-23329-P07

PERFORMANCE SPECIFICATION

SHT 2.1

DR. BY	DATE
MMM	11-21-05
CK. BY	DATE
GJP	11-22-05
APP. BY	DATE
GJP	11-22-05

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

PROPRIETARY NOTE: THIS DOCUMENT CONTAINS INFORMATION WHICH IS THE PROPRIETARY PROPERTY OF KNOWLES ELECTRONICS, LLC. OR ITS AFFILIATED ENTITIES. IT IS ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, USED, OR DISCLOSED TO ANY THIRD PARTY PARTIALLY OR WHOLLY IN ANY MANNER WITHOUT PRIOR WRITTEN PERMISSION OF, AND MUST BE RETURNED UPON REQUEST BY, KNOWLES ELECTRONICS, LLC.

3

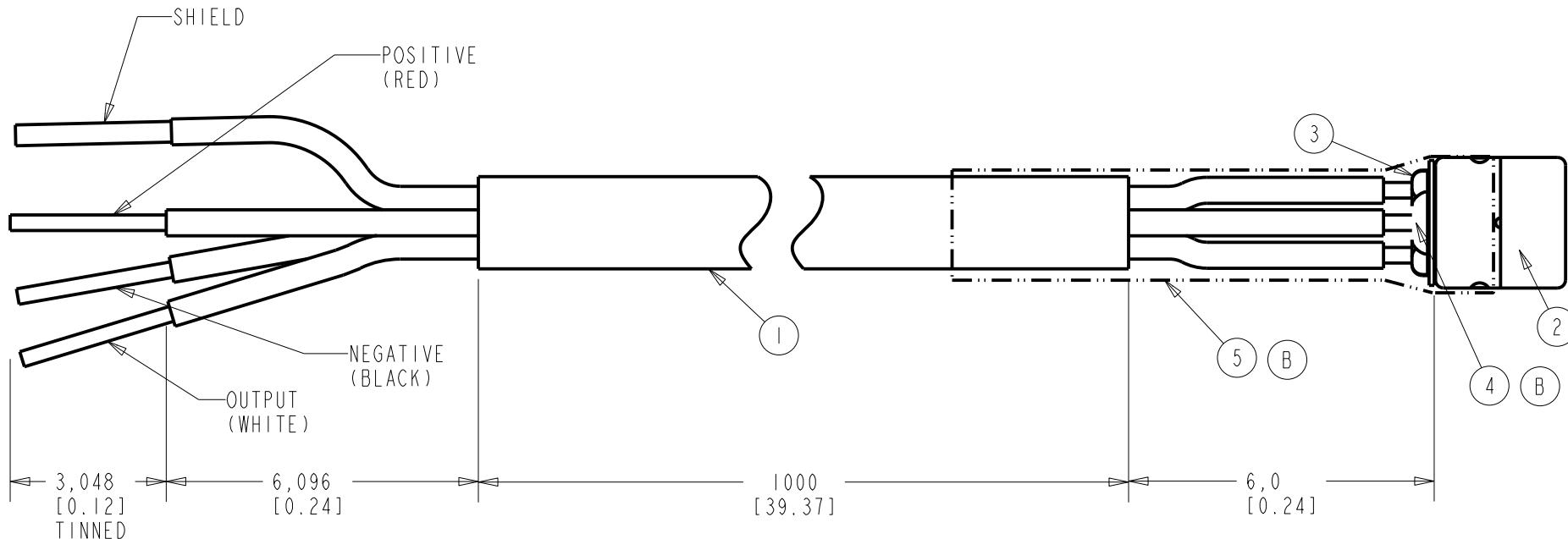
2

1

FC-23329-P07

NOTES:

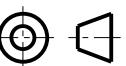
1. ITEM NUMBERS (SHOWN THUS ) CORRESPOND WITH THOSE ON BILL OF MATERIAL.



DIMENSIONS IN MILLIMETERS [INCHES]

RELEASE LEVEL
Active

REVISION
F

MATERIAL		SEE BILL OF MATERIAL		FINISH	SCALE: 8:1	DO NOT SCALE DRAWING
A	REF.	None	M10100901			DR. BY DATE
A	c.o.	M10100901				MMM 11-21-05
B	c.o.	M10101572				CH. BY DATE
ADDED ITEMS 4 & 5						GJP 11-22-05
ADDED SHEET 5.1						APP. BY DATE
MMW 10-12-07						GJP 11-22-05
C	c.o.	M10103048				
D	c.o.	C40101079				
SHEET 2.1 UPDATED						
LSY 8-15-12						
E	c.o.	C40101137				
SHEET 2.1 UPDATED						
LSY 10-30-12						
F	c.o.	C40101313				
SHEET 2.1 UPDATED						
JL 10-8-13						
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.		THIRD ANGLE PROJECTION		TITLE	MICROPHONE/CABLE ASSEMBLY	
4					FC-23329-P07	
3					SHEET 3.1	
2					KE131_ASIZE.FRM Rev: B	
1						

FC-23329-P07		KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.			FC-23329-P07	
Sheet	4.1	Subject:	MICROPHONE/CABLE ASSEMBLY		Revision	Sheet
Dr.	By	Date			F	4.1
Ch.	MMM	11-21-05				Release Level
App.	GJP	11-22-05				Active
COL. 1		2	3		4	
Part or Dwg. no.		Tot. Req.	Nomenclature:		Applicable Specs or Remarks	Item No.
103-162		I	CABLE		I	I
FG-23329-D65		I	MICROPHONE ASSEMBLY		2	2
285-007-001		A/R	SOLDER LEAD FREE		3	3
13-092-120111		A/R	CEMENT		4	4
097-028		I	HEAT SHRINK TUBING		5	5

B
B

REVISION	A	c.o.	M10100901
B	c.o.	M10101572	FG-23329-D65 WAS FG-23329-C05
	ADDED ITEMS 4 & 5 ADDED SHEET 5. 10-12-07	SD7 8-7-09	
C	c.o.	M10103048	SHEET 2.1 UPDATED LSY 8-15-12
D	c.o.	C40101079	SHEET 2.1 UPDATED LSY 10-30-12
E	c.o.	C40101137	SHEET 2.1 UPDATED LSY 10-8-13
F	c.o.	C40101313	SHEET 2.1 UPDATED JL 10-8-13

FC-23329-P07
Sheet 4.1

PROPRIETARY NOTE: THIS DOCUMENT CONTAINS INFORMATION WHICH IS THE PROPRIETARY PROPERTY OF KNOWLES ELECTRONICS, LLC. OR ITS AFFILIATED ENTITIES. IT IS ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, USED, OR DISCLOSED TO ANY THIRD PARTY PARTIALLY OR WHOLLY IN ANY MANNER WITHOUT PRIOR WRITTEN PERMISSION OF, AND MUST BE RETURNED UPON REQUEST BY, KNOWLES ELECTRONICS, LLC.

PRODUCTION TEST INFORMATION

SOFTWARE REVISION GPIB FCAMT	SOFTWARE 4.81 MIN.
HARDWARE REVISION GPIB FCAMT	KE 1069B 6G MIN.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
F	C40101313	10-08-13	Active	F
E	C40101137	10-30-12		
D	C40101079	8-15-12		
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
			MMM	11-21-05
			CR. BY	DATE
			GJP	11-22-05
			APP. BY	DATE
			GJP	11-22-05
TITLE: MICROPHONE/CABLE		FC-23329-P07		
PERFORMANCE SPECIFICATION		SHT 5.1		

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Mouser Electronics

Authorized Distributor

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

[Knowles:](#)

[FG-23329-P07](#)