



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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PAIR	CONSIST OF:
TO-30079-000	(2) TO-30078-000

BOTH MICROPHONES OF THE PAIR ARE TESTED TO TO-30078-000 SHT 2.1 AND THEN MATCHED TO THE OTHER MICROPHONE USING THE SPECIFICATION AND CONDITIONS BELOW:

FREQUENCY	TEST TYPE	RANGE OF DEVIATION BETWEEN MICROPHONES	UNITS
500 Hz	SENSITIVITY	1.0 MAX.	dBV
200 Hz	PHASE	1.5 MAX.	DEGREES
2000 Hz	SENSITIVITY	1.0 MAX.	dBV
PEAK	SENSITIVITY (re 1kHz SENSITIVITY)	1.5 MAX.	dBV
PEAK	FREQUENCY	250 MAX.	Hz

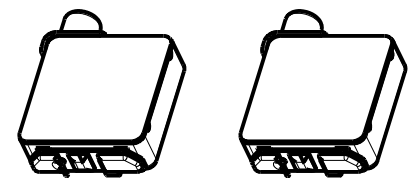
**RED CONTROLLED**

NOTES:

1. DC SUPPLY VOLTAGE .930 VOLTS.
2. TESTED WITH 26kΩ LOAD AND 1 μF CAPACITOR COUPLED TO THE OUTPUT. SEE SCHEMATIC.
3. SENSITIVITY AND PHASE VALUES INDICATED ARE VALID AT 50% RH.
4. LOADS AND CAPACITANCE FROM NOTE 2 MUST BE REMOVED PRIOR TO TESTING FOR IMPEDANCE.



<<< AND GREEN STRIP INDICATES UNIT WITH SMALLER PHASE RESPONSE AT 200 Hz.



Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	M10105442	3-05-14	Active	C
B	M10101520	7-16-07		
A	M10101365	12-190-6		

**KNOWLES ELECTRONICS**  
ITASCA, ILLINOIS U.S.A.

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 PAIR** **TO-30079-000**  
PERFORMANCE SPECIFICATION **SHT 2.1**

DR. BY	DATE
MMM	12-19-06
CK. BY	DATE
GJP	12-19-06
APP. BY	DATE
GJP	12-19-06