



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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MATCHED PAIR
MICROPHONE

EM-27902-C38
SHEET 2.1

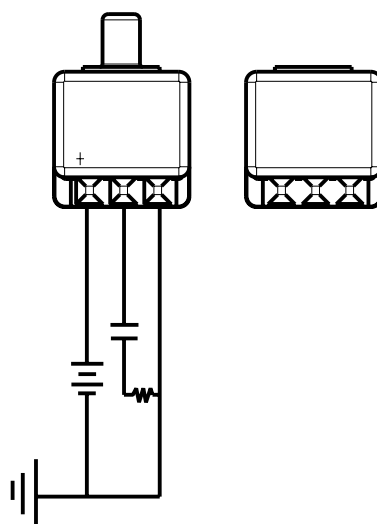
PAIR	CONSIST OF:
EM-27902-C38	(1) EM-27900-C46 & (1) EM-27901-C46

BOTH MICROPHONES OF THE PAIR ARE TESTED TO THEIR RESPECTIVE 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	2.0 MAX.	DEGREES
4000 Hz	PHASE	5.0 TO 20.0 EM-27901 PHASE TO LEAD EM-27900 PHASE	DEGREES

NOTES:

- DC SUPPLY VOLTAGE 0.930 VOLTS.
- TESTED WITH 26 kΩ LOAD AND 1μF CAPACITOR COUPLED TO THE OUTPUT. SEE SCHEMATIC.
- SENSITIVITY AND PHASE VALUES INDICATED ARE VALID AT 50% RH.



Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
A	M10100935	12-27-05	Released	A

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** **EM-27902-C38**
PERFORMANCE SPECIFICATION **SHT 2.1**

DR. BY	DATE
MMM	12-27-05
CK. BY	DATE
GJP	1-2-06
APP. BY	DATE
GJP	1-2-06