

## Vehicle Microphone Range

Clear-Tel vehicle microphones are designed to be mounted on the vehicle rear view mirror or "A" pillar. They are both discrete and effective. The microphone is suitable for the majority of vehicular environments. The series utilizes electret microphone elements for reliable and clear communication.

### Basic Specification.

Material:	Brass on Spring Steel, High quality turned parts.
Colour:	Black.
Microphone type:	Uni-directional.
Gooseneck Diameter:	6mm.
Head Diameter:	12mm.
Overall Length:	100mm.
Cable length:	Up to 5 Metres.

### **ORDERING INFORMATION:**

*As an OEM manufacturer we are able to design and manufacture products to our customers requirements or alternatively, offer a range of standard products.*

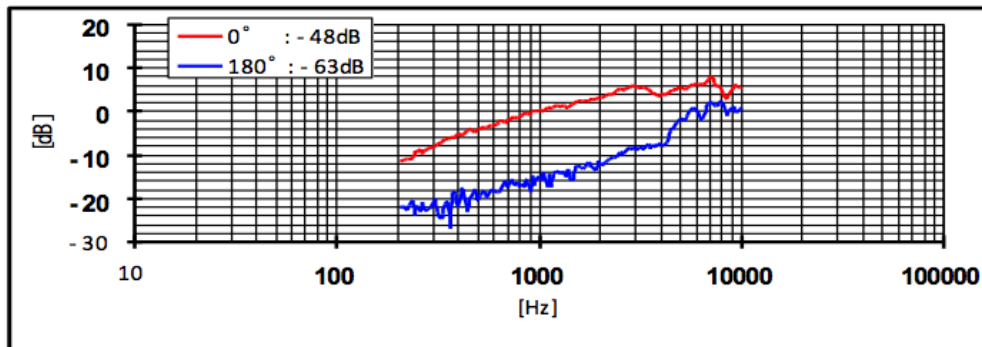
*Please complete the Product Enquiry Form and return by FAX or e-mail for a free quotation.*



## ELECTRICAL SPECIFICATIONS

<i>MICROPHONE TECHNOLOGY</i>	<i>UNI-DIRECTIONAL ELECTRET</i>
<i>FREQUENCY RESPONSE</i>	<i>SEE GRAPH BELOW</i>
<i>SENSITIVITY</i>	<i>TYPICALLY -48dB +3/-1dB @ 1V/BAR (FREE FIELD EASURED, 0.5M)</i>
<i>IMPEDANCE</i>	<i>TYPICALLY 1.6k +/-30% @ 1KHz</i>
<i>OPERATING VOLTAGE</i>	<i>1.1V-12V</i>
<i>CURRENT DRAIN</i>	<i>&lt; 400A @ VCC = 3V</i>
<i>MAX. INPUT SOUND LEVEL</i>	<i>115dB S.P.L.</i>
<i>S/N RATIO</i>	<i>58dB @ 1kHz (A WEIGHTED) @ 1KHz (NEAR FIELD SET-UP)</i>
<i>TEMPERATURE</i>	<i>-10 TO +50 DEGREES C</i>
<i>RELATED HUMIDITY</i>	<i>90%</i>
<i>RFI FILTER</i>	<i>10pF and 33pF (SEE CIRCUIT DIAGRAM)</i>

## FREQUENCY RESPONSE



## MECHANICAL RESPONSE

<i>SIZE</i>	<i>Length:100mm, Base Diameter:35mm</i>
<i>BASE AND HEAD MATERIAL</i>	<i>BLACK ABS</i>
<i>SHAFT MATERIAL</i>	<i>6mm BLACK PAINTED BRASS AND STEEL FLEXIBLE TUBE</i>
<i>CORD TYPE</i>	<i>BLACK 2.5mm O/D SINGLE CORE SCREENED</i>
<i>CORD LENGTH</i>	<i>UP TO 5M AVAILABLE</i>
<i>CONNECTOR</i>	<i>CUSTOMER SPECIFICATION</i>

## OTHER INFORMATION

<i>PARTS INCLUDED</i>	<i>VELCRO HOOK, LOOP FIXING COINS AND IPA WIPE</i>
<i>APPROVALS</i>	<i>RoHS COMPLIANCE (DIRECTIVE 2002/95/EC)</i>

## CIRCUIT DIAGRAM

