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12th October 2018

Dear Customer,

Anglia have been advised by the supplier Magnetone that changes have been made changes to the below listed part numbers:

Part numbers affected by this notification:

OEM602

Please find attached the old and new specification for your comparison.

Anglia operates a strict FIFO system in our warehouse facility therefore it may take some time for this change to filter through to customer deliveries of the above part numbers.

Please make the relevant person(s) in your organisation aware of this change.

Yours Sincerely
Anglia

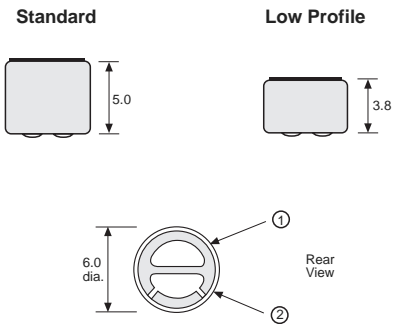
ULTRA-MINIATURE

Option of standard or low profile 6mm dia. body, both with solder pad terminations. PCB pin and wire lead terminations are available to special order as well as other sensitivity levels.

Specification

Characteristic	Figure	Conditions
Frequency response	30Hz to 20kHz	
Sensitivity	-58dB \pm 2dB	0dB = 1V/ μ bar, 1kHz V_{CC} = 4.5V, R_L = 2.2K Ω
Signal/noise ratio	> 30dB	
Sound pressure (SPL)	105dB max.	1kHz, 1mW, 3% distortion
Supply voltage	1.5V to 10Vdc	recommended voltage 4.5Vdc
Current drain	0.5mA max.	
Oper. temp. range	-30°C to +80°C (OEM601S) +60°C (OEM601SL)	

Dimensions (mm) & Connections



Terminations

Solder Pads

Manf. Part No. & anglia Order Code	
Standard	Low Profile
OEM601S	OEM601SL

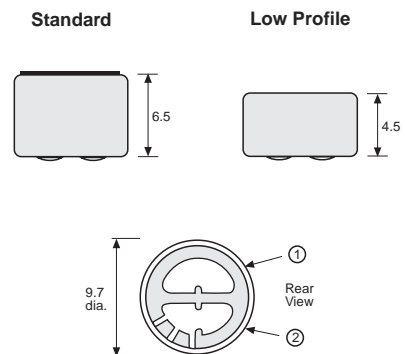
SUB-MINIATURE

Option of standard or low profile 9.7mm dia. body, both with choice of terminations as detailed below. Other sensitivity levels are available to special order.

Specification

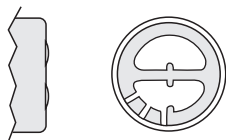
Characteristic	Figure		Conditions
	Standard	Low Profile	
Frequency response	30Hz to 16kHz	20Hz to 16kHz	
Sensitivity	-58dB \pm 2dB	-60dB \pm 3dB	0dB = 1V/ μ bar, 1kHz V_{CC} = 4.5V, R_L = 2.2K Ω
Signal/noise ratio	> 40dB	> 40dB	
Sound pressure (SPL)	105dB max.	105dB max.	1kHz, 1mW, 3% distortion
Supply voltage	1.5V to 10Vdc	1.5 to 10Vdc	recommended voltage 4.5Vdc
Current drain	0.8mA max.	0.6mA max.	
Oper. temp. range	-30°C to +80°C		

Dimensions (mm) & Connections

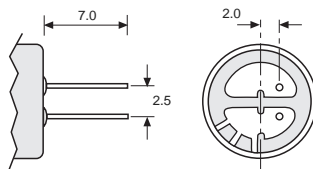


Termination Options

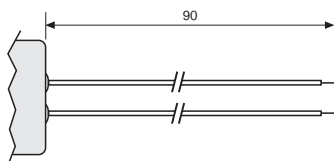
Solder Pads



PCB Pins



Wire Leads



Terminations

- Solder Pads
- PCB Pins
- Wire Leads

Manf. Part No. & anglia Order Code	
Standard	Low Profile
OEM601	OEM631L
OEM602	OEM632L
OEM603	OEM633L

NEW SPECIFICATION

TYPE : Electret Condenser Microphone

Part No. : OEM602

1.	Scope	This specification applies electret condenser microphone (E.C.M)
2.	Model No.	OEM602
3.	Operation Condition	
	3.1 Temperature	-20~+70
	3.2 Rel, Humidity	35%~85%RH
	3.3 Pressure	86~106Kpa
	3.4 Environmental Noise	36dB (Maximum)
	3.5 Operation Voltage	1~10VDC
	3.6 Earth	
4.	Electrical Characteristics	
	4.1 Standard Operation Voltage	3VDC
	4.2 Impedance	2.2k (Maximum)
	4.3 Current Consumption	0.5mA (Maximum)
	4.4 Sensitivity	(0dB=1V/Pa, 1KHz) -28dB±2dB Vs=4.5V R1=2.2k
	4.5 Directivity	Omni-directional
	4.6 S/N Ratio	40dB (Minimum)

WRTN	CHKD	APVD	DESCRIPTION

4.7	<p>Schematic Diagram</p> <p>$V_s = 4.5V$;</p> <p>$R_1 = 2.2k$;</p> <p>$C = 1\mu F$</p>	
4.8	<p>Test Temperature</p> <p>20 ± 2</p> <p>Rel.Humidity</p> <p>45%~65%RH</p>	
4.9	<p>Frequency Response</p>	
5.	<p>Mechanical Characteristics</p>	<p>5.1 Dimension</p> <p>$\varnothing 9.7 \pm 0.1 \times 6.7 \pm 0.2$</p> <p>5.2 Mass</p> <p>1g</p> <p>5.3 Dimensional Drawing</p>

6 .	<p>Reliability Tests</p> <p>The sensitivity to be within $\pm 3\text{dB}$ of initial sensitivity after 3 hours conditioning at 20 .</p>	
6.1	Vibration	<ol style="list-style-type: none"> 1. Frequency1 10Hz~55Hz Amplitude $\pm 0.15\text{mm}$ 2. Frequency2 55Hz~150Hz Acceleration 20m/s Change of Frequency 1 1octave/min 3. 2 hrs in each of 3 axes
6.2	Shocks	<p>Pulse Shape Half Sinusoidal</p> <p>Pulse Duration 11ms</p> <p>Acceleration 150m/s²</p> <p>Number of Jolts 3 10 in each of 3 axes</p>
6.3	Dry Heat/Cold	70 for 72hrs -20 for 72hrs
6.4	Damp Heat	90%RH,+40 for 120hrs
6.5	Temperature Cycles	-20 25 70 (2h)(1h)(2h)(1h)(2h) 10cycles
7.	<p>Cautions</p> <p>7.1 The soldering copper of a smaller type of less than 20W shall be applied.</p> <p>7.2 The temperature of the working surface of the soldering copper shall be below 270 .</p> <p>7.3 E.C.M shall be soldered fixed on the metal block (heat sink) which has the higher Radiation effects heat sink shall contact with each of E.C.M.</p> <p>7.4 The soldering time for each terminal shall be 1~2 sec.</p> <p>7.5 The pin hole soldering shall be avoided.</p> <p>7.6 E.C.M may easily be destroyed by the static electricity and the countermeasure for eliminating the static electricity anti-static grounding/handling procedures shall be executed.</p>	