



Specification

Customer	Micros sp.j. W. Kedra i J. Lic
Part No	FBULS1612P(T/R)
Customer Part No	T/R4016FBP
Issue Date	05/18/2015

Approval items:

- A, Characteristics
- B, Technical terms
- C, Drawing
- D, Beam Pattern

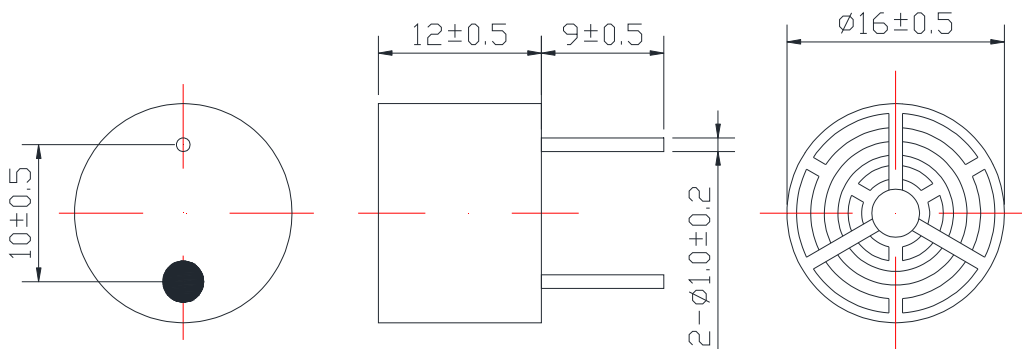
A. Characteristics

- 1) Open structure and dual use
- 2) Compact and low weight,
- 3) High sensitivity, high SPL
- 4) Low power consumption
- 5) High reliability
- 6) ROHS compliance

B. Technical terms

No.	Item	Specification
1	Part No.	T/R4016FBP
2	Structure	Open
3	Using method	Dual use
4	Nominal Frequency	40kHz
5	S.P.L for transmitter	$\geq 120\text{dB}/30\text{cm}/10\text{Vrms}$ sine wave
5	Sensitivity for receiver	$\geq -63\text{dBv}/\mu\text{Bar}$
6	Capacitance	$2000\text{pF}\pm 25\%$
7	Directivity	75deg
8	Detectable range	0.5-16.5m
9	Material/Color	ABS/black
10	Weight (g)	1.9

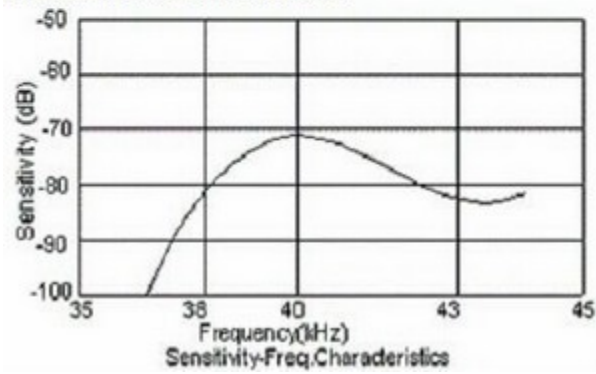
C. Drawing



Tolerance unspecified: $\pm 0.2\text{mm}$

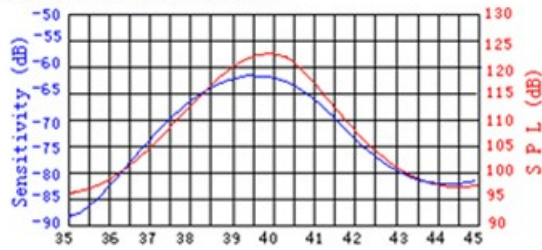
D. Beam Pattern

3.INPUT VOLTAGE/S.P.L CHARACTERISTICS :



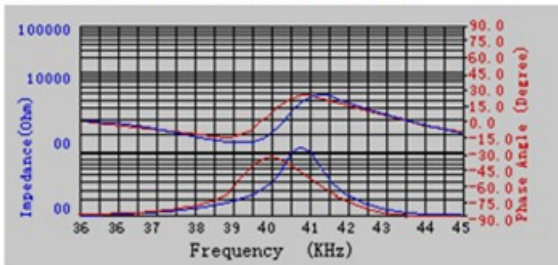
Sensitivity/Sound Pressure Level

Tested under 10Vrms@30cm



Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level



Frequency (KHz)
Beam Angle: Tested at 40.0Khz frequency

