

Product Data Sheet

ESC210C30017



Estron Electronics Co., Ltd

Estron Technology is a professional miniature electro-acoustic component supplier, as well as an audio system solution provider. Estron's vision is always pursuing excellence in order to assist all customers all over the world optimizing their products & services.

Description

Miniature balanced-armature receiver with magnetic-radiation shielding for use in ITE (In The Ear) , BTE (Behind the Ear) applications with standard response. This transducer can also play an excellent role as a woofer / wide-band driver in commercial hearing products.

Product Feature

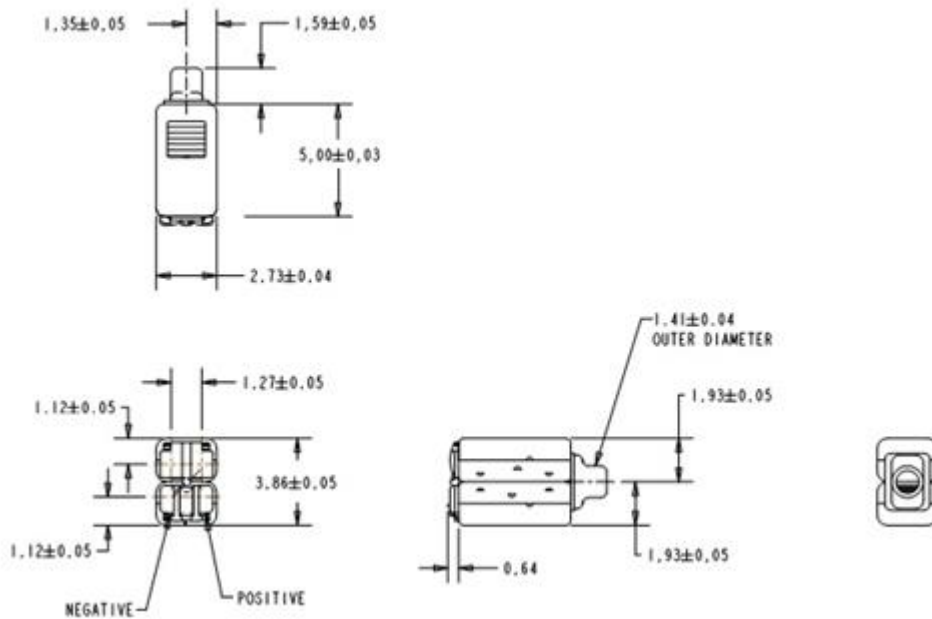
- Perfect package size for ITE, BTE applications
- Outstanding efficiency
- Substantial maximum output
- Magnetic-radiation shielded
- Optimized mechanical shock resistance
- Water resisted



Mechanical Data

Weight: 0.32 g

Mechanical dimension: please refer to the drawing below



Test condition

Acoustic tubing: 10.0 mm of 1.0 mm diameter tubing

Acoustic coupler: IEC711 coupler (volume of 2cc)

Constant voltage drive: 0.85 V RMS

Environment: 23 °C, RH 50%

Acoustic Parameter I

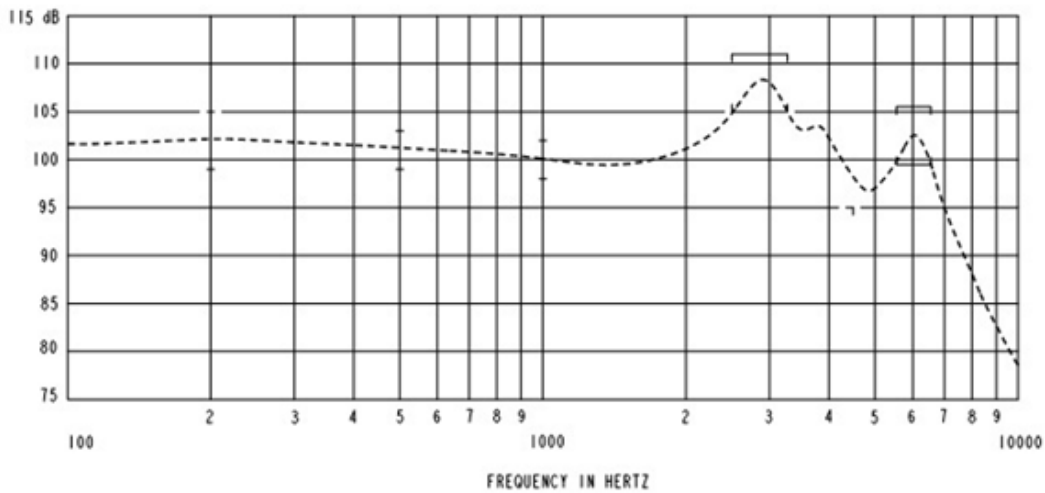
Test Item		Nominal	Tolerance	Comments
Sensitivity (dB)	@ 200Hz	103.0	+/- 3.0	
	@ 500Hz	101.0	+/- 3.0	
	@ 1000Hz	100.0	+/- 3.0	
Peak 1	Frequency (Hz)	2900	+/- 350	
	SPL (dB)	108.0	+/- 3.0	
Peak 2	Frequency (Hz)	6000	+/- 500	
	SPL (dB)	103.0	+/- 3.0	
Maximum output @ peak frequency (dB)		123.5	N/A	THD<10%

Acoustic Parameter II

Test Item		Nominal	Comments
THD (%)	@ 1/2 1 st peak	< 5.0	
	@ 1/3 1 st peak	< 5.0	
	@ 500 Hz	< 5.0	

Test Item		Nominal	Tolerance	Comments
Impedance (ohm)	@ 500Hz	31.0	+/- 15%	
	@ 1000Hz	43.0	+/- 15%	
DCR (ohm)		25.0	+/- 10%	

Nominal Frequency Response Curve



Package and Storage Condition

- Package: PET bubble pack, 2 pc per bubble, 200pcs per pack
- Storage temperature range: -40°C ~ 60°C
- Storage humidity range: < 60%

