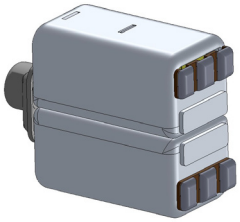
Data Sheet

Receiver 28UA01G

Description

Subminiature magnetic receiver (Balanced Armature Type) for use in In The Canal and Completely In the Canal applications with standard response



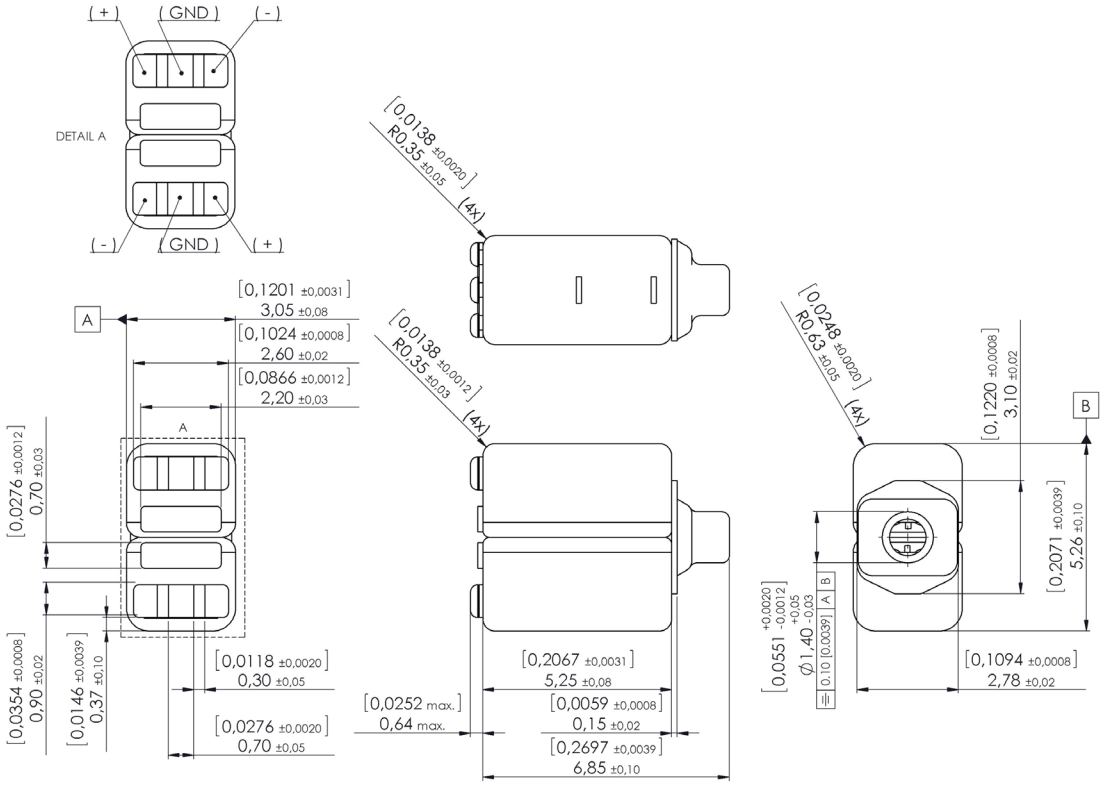
Features

- Great ITE, ITC and CIC applications
- High output, maximum peak output 132 dB
- Reduced transversal vibration 15 dB typ RE single receiver
- Center tap connected to case

Mechanical data

Weight	0.34 gr.
Case material	Ni80Fe15Mo5
Solder pad material	Sn96.5Ag3.0Cu0.5
Dimensions	Refer to outline drawing

Product drawing - Dimensions in mm [inch]



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Specifications

Acoustic loading: 10.0 mm of 1.0 mm diameter tubing into a 2 cc coupler.
Constant voltage drive of 0.16 V RMS (parallel) or 0.32 V RMS (series) (0.70 mVA @ 500 Hz).
Environmental conditions: 23°C (73.4F), 50% RH.

Parameters		Min	Typ	Max	Unit	Comments
Sensitivity	@ 200 Hz	109.5	112.5	115.5	dB	
	@ 500 Hz	107	110	113	dB	
	@ 1000 Hz	104.5	107.5	110.5	dB	
Peak 1	frequency	2100	2300	2500	Hz	
	output	110	113	116	dB	
Valley 1	frequency	3850	4050	4250	Hz	
	output	97	100		dB	
Peak 2	frequency	4400	4900	5400	Hz	
	output	100	103	106	dB	
THD	@ 1/3 peak			5	%	
	@ 1/2 peak			5	%	
Maximum output @ peak frequency				132	dB	@ 100 mVA input

Electric parameters	Min	Typ	Max	Unit	Comments
Impedance @ 1000 Hz parallel	48	60	72	Ohm	
Impedance @ 1000 Hz series	192	240	288	Ohm	
Impedance @ 500 Hz parallel	28	35	42	Ohm	
Impedance @ 500 Hz series	112	140	168	Ohm	
DC resistance @ 20°C parallel	21	25	29	Ohm	
DC resistance @ 20°C series	85	100	115	Ohm	
DC bias current range	zero bias				

Additional parameters	Min	Typ	Max	Unit	Comments
Shock resistance	14000			g	90% survival rate with THD @ 1/2 peak frequency < 10%
Storage temperature range	-40		63	°C	

A positive voltage applied to the negative terminal (-) will result in an increase in pressure at the sound outlet.

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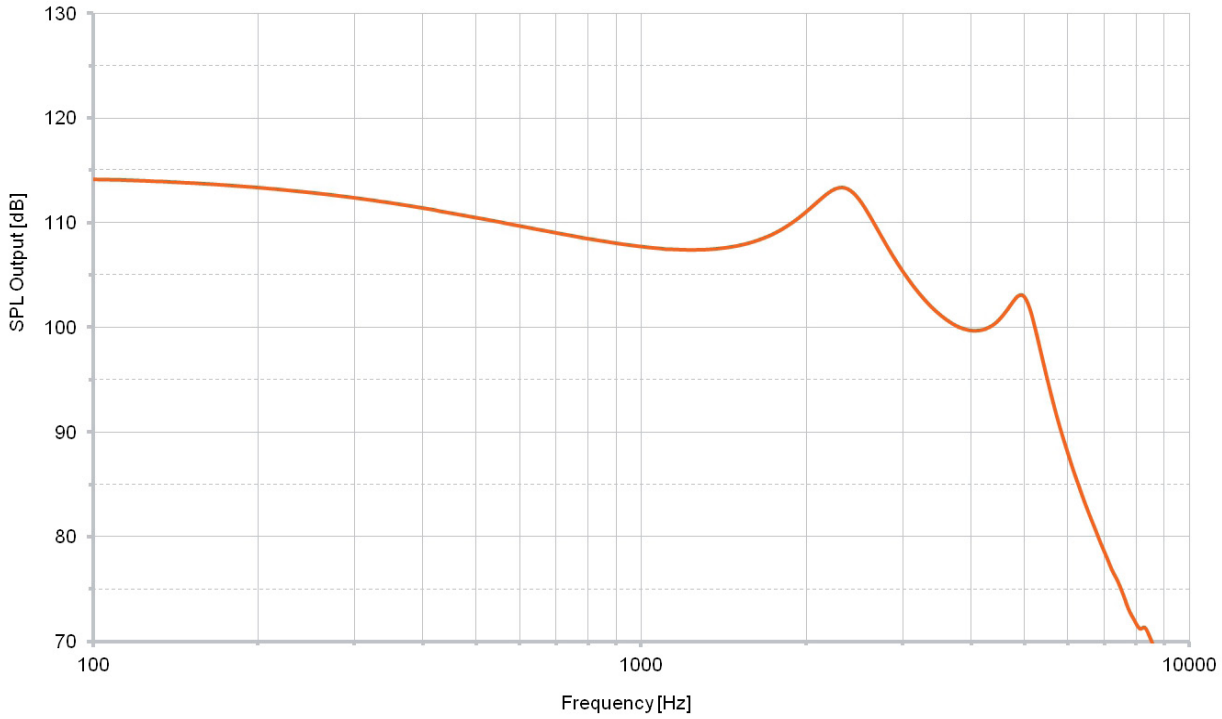
Typical response curve



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