

General Description

18mm x 16mm Smart Phone Speaker



IP67

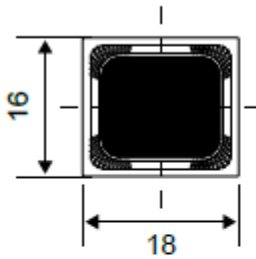


ELECTRICAL SPECIFICATIONS

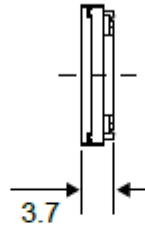
Parameters			Value	Unit
Resonant Frequency (Fo)			1000 ±20%	Hz
Frequency Response			Fo ~ 20	kHz
Rated Input Power, max	@ 1cc box		1.5	W
Input Power, max	@ 1cc box		1.7	W
Dimension			18 x 16 ±0.20	mm
Height			3.70 ±0.20	mm
Output S.P.L.	@ Testing in 2cc box at 1.5W / 0.1m/1.0, 1.5, 2kHz		103±3	dB
Impedance	@ 2kHz/3.46V		8 ±15%	Ω
Operating Temperature Range			-20 ~ +60	°C
Storage Temperature Range			-30 ~ +70	°C
Case Material			Plastic-PPA	-
Magnet			Internal Magnet -NdFeB	-
Reliability	Buzz & Rattle	Must be normal at sine, [in 2cc box, 200 ~ 2kHz]	3.46	V
	Load Test	Must be normal, white noise, 24hours]	1.5	W
	Heat Test	Must be normal, 24hours	+70±3	°C
	Cold Test	Must be normal, 24hours	-20±3	°C
Relative Humidity	@+40±3 °C, 24hours		90 ~ 95	%
IP Rating			IP67	-

Dimensions

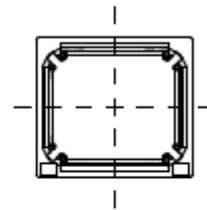
TOP VIEW



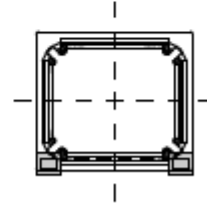
SIDE VIEW



BOTTOM VIEW



PCB Layout



All dimensions are in mm
Unspecified Tolerance are +/-0.50mm

APPROVAL

DRAWN BY	AR, November 27, 2023
APPROVED BY	CP, November 27, 2023
REVISION	A, Initial Release



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