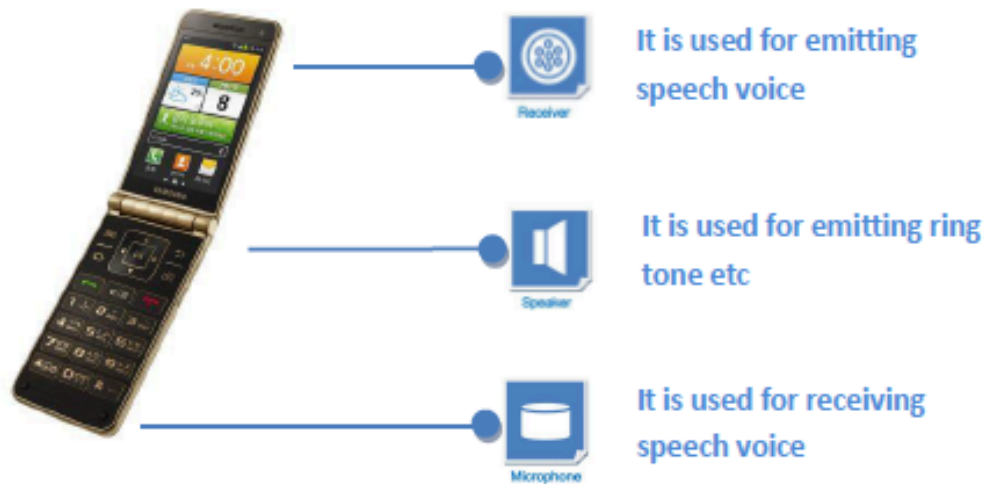


# Applications guides | Smartphone

## for the acoustic components



The flip or clamshell is a mobile phone form factor which is in two or more sections that fold via a hinge. If the hinge is on a long edge the device is more likely to be called clamshell than flip phone (e.g., Nokia Communicators).

When the clamshell is open, the device is up and ready to be used. The interface components are kept inside the clamshell, which offers more surface area than when the device is closed. Interface components such as keys and display are protected when the clamshell is closed, and it is shorter and narrower, making the device easier to carry around. A disadvantage of the clamshell design is the connecting hinge, which is prone to fatigue or failure.



Suggested Item	RJ1506D	RJ1506E	RJ1506F
Size(LxWxH) (mm)	15 x 6 x 2.5	15 x 6 x 2.2	15 x 6 x 2.2
Sensitivity (dB)	107	18	110
Impedance(Ω)	32	32	32



Suggested Item	RM15111A	RM16091A	RM18131A	RM2014I	M131G	OM17131A
Size(LxWxH) (mm)	15 x 11 x 3.5	16 x 9 x 3	18 x 13 x 3.7	20 x 14 x 3.5	∅ 13 x 3.5	17 x 13 x 3.35
Rated Power(W)	0.5	0.5	0.7	0.6	0.5	0.8
Impedance(Ω)	8	8	8	8	8	8



Suggested Item	B4015	B6022	B6027	RC3830	RC4738	UC4545
Size ( mm )	∅ 4 x 1.5	∅ 6 x 2.2	∅ 6 x 2.7	3.76x2.95x1.1	4.72x3.76x1.25	4.5x4.5x1.45
Product Type	ECM	ECM	ECM	MEMS	MEMS	MEMS