

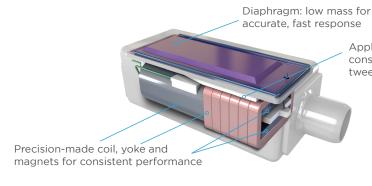


Small Size, Premium Sound

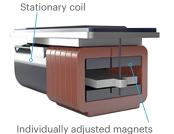
Multiple Balanced Armature (BA) drivers, in many cases custom tuned, provide precise reproduction with superior soundstage and imaging.

Unlike ordinary speakers, the stationary coil of a BA can be wound with a wide range of impedances, making it easier to control the interaction between multiple drivers. Together with venting options and acoustic dampers, this simplifies crossover circuits and gives designers wide latitude in tuning In-ear monitors.

BA midrange drivers, tweeters, and supertweeters can be combined with dynamic woofers to create hybrid audiophile earphones.







THE BALANCED ARMATURE ADVANTAGE

- ▶ Balanced Armature (BA) drivers offer improved fidelity, realism and detail over traditional dynamic drivers. They are incredibly small and lightweight, and provide greater output with less power.
- ► A BA driver can also be combined with a dynamic speaker to form a hybrid earphone. In this configuration, the BA drivers focus on the critical high end portion of the audio spectrum, bringing a new level of clarity and realism.



	PART NUMBER	CONFIGURATION	SIZE IN (mm)	Z@ 1KHz (Ω)	SENS (dB SPL) TO 100mV / TO 1mW	MAX SPL 10% THD 1kHz (dB SPL)	THD@ 94dB SPL / THD@ 100dB SPL	VENTED	
TWEETER	RAN-33860-B148	Single	5.1×2.8×2.0	14	94	108	0.3% / 0.5%	No	
	SWFK-31736-000	Dual	5.0×2.7×3.9	6.9	102 / 100	114	0.2% / 0.2%	No	
	RAU-34832-B148	Single Supertweeter	5.1×2.8×2.0	14(*)	103(*) / n/a	122(*)	0.3% / 0.3%(*)	No	and the second
	RDU-35000-000	Dual Supertweeter	5.1x2.8x4.1	7(*)	109(*) / n/a	127(*)	0.2% / 0.2%(*)	No	
FULL RANGE	RAQ-35091-000 RAQ-33862-000 RAQ-33985-000	Single	5.3×2.7×1.6	74 56 56	109/117 106/113 106/113	122 120 120	1.1% / 1.3% 0.7% / 0.8% 2.2% / 2.4%	Yes No Damped	
	RLQ-34240-000	Dual-diaphragm high-output	5.3×3.1×2.7	57	111 / 120	126	0.3% / 0.4%	Yes	
	ED-26805-000 ED-31305-163	Single	6.3×4.3×3.0	28 84	109 / 113 102 / 111	123 119	0.3% / 0.3% 2.8% / 3.9%	Yes	
	BK-26824-000	Single	7.9×5.6×4.0	22	114 / 118	127	0.2% / 0.2%	Yes	Jo
	DWFK-31785-000	Dual	5.0×2.7×3.8	30	106 / 111	120	0.4% / 0.5%	Yes	
	TWFK-30017-000	Dual	5.0×2.7×3.9	43	106 / 112	117	0.5% / 0.6%	Yes	Cin Cin
	GM-34020-000	2-way	5.2×3.0×4.5	95	103 / 114	119	0.4% / 0.6%	Yes	
	GQ-30783-000	2-way	6.3×4.3×4.5	38	111 / 116	125	0.1% / 0.5%	Yes	Se.
	GU-32829-000	2-way	7.9×5.6×5.9	17	113 / 116	131	0.1% / 0.2%	Yes	
	HE-31751-000	2-way	9.5×7.2×8.3	112	112 / 123	132	0.1% / 0.2%	No	
	GK-31732-000	3-way	9.5×7.2×8.4	11	113 / 113	131	0.1% / 0.2%	No	
	GV-32830-000	4-way	7.9×5.6×6.8	28	113 / 116	125	0.2% / 0.3%	Damped	
WOOFER	CI-22955-000	Single	9.5×7.2×4.1	80	112 / 122	133	0.1% / 0.1%	No	0x 24310 10000004
	HODVTEC-31618-000	Dual	7.9×4.1×5.6	48	123 / 130	141	0.1% / 0.1%	Yes	College of the Colleg
	RDI-34006-000	Dual	7.9×4.1×5.2	25	118 / 122	141	0.1% / 0.1%	Yes	J.

 $^{^{\}star}$ Supertweeter performance is specified at 10kHz

Other models available, please contact a Knowles representative