



7.3: Modal Shakers/Small Vibrators

JZK- Series Modal Shakers	JZK- Series Small Vibrators
	
<p>JZK- series modal shakers and vibrators are made of Permanent magnetism rare-earth material; Wide frequency response, high efficiency, reasonable structure, high reliability. Suitable for structural vibration experiments, dynamic structural simulations, fatigue testing of parts, modal test/finite element model analysis..Also used as small vibrators. Cooling by natural/forced convection.</p>	

Model	JZK-2	JZK-5	JZK-10	JZK-20	JZK-40	JZK-50	JZK-70	JZK-100	JZK-5T	JZK-30T
<b>Rated peak force (N)</b>	≥20	≥50	≥100	≥200	≥400	≥500	≥700	≥1000	≥50	≥300
<b>Max. Rated Travel (mm)</b>	± 3	± 7.5	± 10	± 10	± 12.5	± 12.5	± 12.5	± 15	± 5	±7.5
<b>Max. Acceleration g</b>	20	20	28	30	48.5	550	455	65	20	50
<b>Maximum Input Current (Arms)</b>	≤2	≤7	≤10	≤14	≤28	≤30	≤25	≤30	≤7	≤25
<b>Frequency Range (Hz)</b>	DC-15k	DC-5k	DC-2k	DC-2k	DC-2k	DC-2k	DC-1.5k	DC-1.5k	5-10k	5-5k
<b>First Order Resonance Frequency (Hz)</b>	70Hz	50Hz	50Hz	50Hz	40Hz	40Hz	30Hz	30Hz	60Hz	40 Hz
<b>DC Coil Resistance</b>	1.7Ω	0.7Ω	0.7Ω	0.7Ω	0.6Ω	0.6Ω	0.9Ω	0.6Ω	0.6Ω	0.6Ω
<b>Force Constant (N/A)</b>	10	7.2	10	14.3	11.3	16.7	28	33.4	7.2	12
<b>Effective Moving Mass(Kg)</b>	0.1	0.25	0.36	0.67	0.85	0.85	1.54	1.54	0.25	0.62
<b>Dimensions (mm)</b>	Φ78 × 112	Φ138 × 160	Φ158 × 190	Φ180 × 244	Φ190 × 345	Φ240 × 345	Φ280 × 385	Φ280 × 385	Φ138 × 165	Φ180 × 224
<b>Mounting Hole (mm)</b>	80×80 /4-Φ7	150×128 /4-Φ8	172×148 /4-Φ8	200×160 /4-Φ10	180×150 /4-Φ10	180×150 /4-Φ10	250×210/ 4-Φ13	250×210 /4-Φ13	150×128 /4-Φ8	200×160 /4-Φ10
<b>Wight (Kg)</b>	2.9	8.1	15	17.5	38.5	38.5	68	68	8.5	25
<b>Output Type</b>	Mandril	Mandril	Mandril	Mandril	Mandril	Mandril	Φ80 Table	Φ80 Table	Φ60 Table	Φ80 Table
<b>Connection Type</b>	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5
<b>Recommended Amplifier</b>	YE5871A	YE5871A	YE5872A	YE5873A	YE5874A	YE5874A	YE5874A	YE5878	YE5871A	YE5873A

Note: Table , Mounting type, small vibrators (JZK-100T, JZK-200T) can be customized.