

## Langevin Ultrasonic Transducer — 15~20KHz

Item	CW1560-4P8	CN1740-78LB P4	CN2035-59LB P4	CN2045-68LB P8	CN2335-45HB P4
Frequency	14±1KHz	17±1KHz	20±1KHz	21±0.5KHz	23±1KHz
Bandwidth	978Hz	658Hz	416Hz	1200Hz	600Hz
Capacitance	9400±10%pF	3400±10%pF	3700±10%pF	5500±10%pF	7600±10%pF
Resonant Resistance	≤25Ω	≤25Ω	≤25Ω	≤25Ω	≤25Ω
Maximum Input Power	3000W	60W	50W	100W	100W
Radiating Surface	Φ60mm	Φ78mm	Φ59mm	Φ68mm	Φ45mm
Ceramic Diameter	Φ60mm	Φ38mm	Φ35mm	Φ45mm	Φ35mm
Connection Screw	M20*P1.5	M10*P1.0	M10*P1.0	M10*P1.0	M10*P1.0
Height	166mm	90.6mm	95.7mm	94mm	92mm
Weight	1913g	824g	466g	934g	496g
Working Environment Temp.	≤100℃	100℃	100℃	100℃	100℃
Real Picture					



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## Langevin Ultrasonic Transducer — 25KHz Series

Item	CN28/45/10035-45HB P4	CN25/4535-45HB P4	CN2538-58HA P8	CN2538-63LB P4/P8	CN2538-64LA P4
Frequency	28/45/100KHz	25/45KHz	25±0.5KHz	25±0.5KHz	25±0.5KHz
Bandwidth	364Hz	300Hz	623Hz	1000Hz	700Hz
Capacitance	4000±10%pF	7400±10%pF	3800±10%pF	5200/3900±10%pF	5200±10%pF
Resonant Resistance	≤25Ω	≤25Ω	≤25Ω	≤25Ω	≤25Ω
Maximum Input Power	50W	100W	60W	60W	60W
Radiating Surface	Φ45mm	Φ45mm	Φ58mm	Φ63mm	Φ64mm
Ceramic Diameter	Φ35mm	Φ35mm	Φ38mm	Φ38mm	Φ38mm
Connection Screw	M10*P1.0	M10*P1.0	none	M10*P1.0	none
Height	96.6mm	84mm	85mm	76mm	68.7mm
Weight	418g	399g	614g	542g	532g
Working Environment Temp.	100℃	100℃	100℃	100℃	≤100℃
Real Picture					



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## Langevin Ultrasonic Transducer — 25~28KHz

Item	CN2550-58HB4 P8	CN26/3838-63HB P8	CN2835-45HB P4	CN2835-59LA P4	CN2838-59LB P4/P8
Frequency	25±1KHz	26/38±0.5KHz	28±0.5KHz	28±0.5KHz	28±0.5KHz
Bandwidth	935Hz	588Hz	1200Hz	769Hz	700Hz
Capacitance	11500±10%pF	3100±10%pF	3900±10%pF	4200±10%pF	5200/3800±10%pF
Resonant Resistance	≤25Ω	≤25Ω	≤25Ω	≤25Ω	≤25Ω
Maximum Input Power	200W	60W	50W	50W	60W
Radiating Surface	Φ58mm	Φ63mm	Φ45mm	Φ59mm	Φ59mm
Ceramic Diameter	Φ50mm	Φ38mm	Φ35mm	Φ35mm	Φ38mm
Connection Screw	M10*P1.0	M10*P1.0	M10*P1.0	None	M10*P1.0
Height	73.7mm	67.8mm	80mm	72mm	70mm
Weight	839g	453g	410g	424g	465g
Working Environment Temp.	≤100℃	≤100℃	≤100℃	≤100℃	≤100℃
Real Picture					



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## Langevin Ultrasonic Transducer — 28KHz ~30KHz

Item	CN2845-68LB P8/P4	CN2850-58HBM P8	CN2850-67LB P4/P8	CN2850-68LB P8	CN3035-48LB P4
Frequency	28±0.5KHz	28±0.5KHz	28±1KHz	28±1KHz	30±1KHz
Bandwidth	1000Hz	1175Hz	1200Hz	700Hz	900Hz
Capacitance	5500/7000±10%pF	5500±10%pF	8800/7000±10%pF	5800±10%pF	3700±10%pF
Resonant Resistance	≤25Ω	≤25Ω	≤25Ω	≤25Ω	≤25Ω
Maximum Input Power	100W	100W	120W	120W	50W
Radiating Surface	Φ68mm	Φ58mm	Φ67mm	Φ68mm	Φ48mm
Ceramic Diameter	Φ45mm	Φ50mm	Φ50mm	Φ50mm	Φ35mm
Connection Screw	M10*P1.0	M10*P1.0	M10*P1.0	M10*P1.0	M10*P1.0
Height	68mm	68.6mm	69mm	68mm	66mm
Weight	639g	723g	730g	813g	365g
Working Environment Temp.	≤100℃	≤100℃	≤100℃	≤100℃	≤100℃
Real Picture					



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## Langevin Ultrasonic Transducer — 36~40KHz

Item	CN3638-20HB-0 P8	CN4025-25HAS P8	CN4035-35HB P4	CN4035-45LB P4	CN4035-46LBT P8
Frequency	36±1KHz	40±0.5KHz	40±0.5KHz	40±0.5KHz	40±0.5KHz
Bandwidth	705Hz	546Hz	1100Hz	661Hz	734Hz
Capacitance	4000±10%pF	2900±10%pF	3800±10%pF	3800±10%pF	2800±10%pF
Resonant Resistance	≤20Ω	≤25Ω	≤25Ω	≤25Ω	≤25Ω
Maximum Input Power	60W	30W	50W	50W	50W
Radiating Surface	Φ20mm	Φ25mm	Φ35mm	Φ45mm	Φ46mm
Ceramic Diameter	Φ38mm	Φ25mm	Φ35mm	Φ35mm	Φ35mm
Connection Screw	M10*P1.0	None	M10*P1.0	M10*P1.0	M10*P1.0
Height	75.6mm	55.6mm	57mm	54mm	269g
Weight	252g	149g	215g	244g	100℃
Working Environment Temp.	≤100℃	≤100℃	≤100℃	≤100℃	≤100℃
Real Picture					



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## Langevin Ultrasonic Transducer — 40KHz ~68KHz

Item	CN4038-45LB P4/P8	CN4038-48LA P4/P8	CN4038-50LA P8	CN6830-38LA P4	CN6838-50HA P8
Frequency	40±0.5KHz	40±0.5KHz	40±2KHz	68±3KHz	68±2KHz
Bandwidth	800Hz	1000Hz	600Hz	300Hz	1068Hz
Capacitance	5200/3800±10%pF	5200/3800±10%pF	3000±10%pF	3000±10%pF	3800±10%pF
Resonant Resistance	≤25Ω	≤25Ω	≤25Ω	≤50Ω	≤25Ω
Maximum Input Power	60W	60W	80W	30W	60W
Radiating Surface	Φ45mm	Φ48mm	Φ50mm	Φ38mm	Φ50mm
Ceramic Diameter	Φ38mm	Φ38mm	Φ38mm	Φ30mm	Φ38mm
Connection Screw	M10*P1.0	none	none	none	None
Hight	52mm	51mm	51mm	29mm	74mm
Weight	301g	304g	325g	97g	458g
Working Environment Temp.	≤100℃	≤100℃	≤100℃	≤100℃	≤100℃
Real Picture					



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## Langevin Ultrasonic Transducer — 68KHz~170KHz

Item	CN8038-40HB P8	CN40/10038-40HB	CN12538-40HB P8	CN17035-42HB P4	
Frequency	80±2KHz	40/98±1KHz	125±2KHz	165±2KHz	
Bandwidth	1000Hz	1033Hz	700Hz	1200Hz	
Capacitance	3800±10%pF	5000±10%pF	3200±10%pF	3900±10%pF	
Resonant Resistance	≤25Ω	≤25Ω	≤25Ω	≤25Ω	
Maximum Input Power	60W	60W	80W	50W	
Radiating Surface	Φ40mm	Φ40mm	Φ40mm	Φ42mm	
Ceramic Diameter	Φ38mm	Φ38mm	Φ38mm	Φ35mm	
Connection Screw	M10*P1.0	M10*P1.0	M10*P1.0	M10*P1.0	
Height	59mm	57.2mm	62mm	62mm	
Weight	312g	291g	283g	275g	
Working Environment Temp.	≤100℃	≤100℃	≤100℃	≤100℃	
Real Picture					



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# Code Meaning

Take **CN4035-45LB P4** as sample:

Clangsonic : "CN"

Frequency : "40" Khz

Piezo Ceramic Diameter : "35" mm

Base Shape : "L"-Trumpet Base ; "H"-Cylinder Base

Threaded hole : "B"-Threaded hole in radiating surface ; "A"-Without threaded hole in radiating surface

Piezo Ceramic : "P4"-Black Piezoelectric Ceramic ; "P8"-Yellow Piezoelectric Ceramic

Model		Piezo Ceramic	
			
Screw		Threaded Hole	
			
Sand Blasting		Customization	
			