

Large Diaphragm Microphones

Type	DPA 4041-S	DPA 4041-SP	DPA 4041-T2
Directional Characteristics	Omnidirectional	Omnidirectional	Omnidirectional
Frequency range, ±2 dB	10 Hz - 20 kHz with 4 - 6 dB soft boost at 8 kHz	20 Hz - 20 kHz with 4 - 6 dB soft boost at 8 kHz	10 Hz - 20 kHz with 4 - 6 dB soft boost at 8 kHz
Sensitivity, nominal, ±2 dB	90 mV/Pa; -21 dB re. 1 V/Pa	70 mV/Pa; -26 dB re. 1 V/Pa	85 mV/Pa; -22 dB re. 1 V/Pa
Equivalent noise level A-weighted	Max. 7 dB(A) re. 20 µPa	Max. 8 dB(A) re. 20 µPa	Typ. 9 dB(A) re. 20 µPa
Total harmonic distortion (THD)	<0.5% THD up to 120 dB SPL peak <1% up to 126 dB SPL peak	<0.5% THD up to 120 dB SPL peak <1% THD up to 126 dB SPL peak	<0.5% THD up to 120 dB SPL peak <1% up to 126 dB SPL peak
Max. SPL, peak before clipping	144 dB	134 dB	144 dB
Power supply	130 V via HMA5000	48 V Phantom power	130 V via HMA5000
Main features	Transparent sound Wide dynamic range Ultra high sensitivity Ultra low noise floor Choice of 130 V or P48 Exchange of preamp possible		
High voltage model also offers	Higher sensitivity Extended headroom		Higher sensitivity Extended headroom

4090-series

Type	DPA 4090	DPA 4091
Directional Characteristics	Omnidirectional	Omnidirectional
Frequency range, ± 2 dB	20 Hz - 20 kHz	20 Hz-20 kHz
Sensitivity, nominal, ± 3 dB	20 mV/Pa; -34 dB re. 1 V/Pa	6 mV/Pa; -44.5 dB re. 1 V/Pa
Equivalent noise level A-weighted	Typ. 23 dB(A) re. 20 µPa (max. 26 dB(A))	Typ. 26 dB(A) re. 20 µPa (max. 28 dB(A))
Total harmonic distortion (THD)	<1% THD up to 123 dB SPL peak	<1% THD up to 123 dB SPL peak
Max. SPL, peak before clipping	134 dB	144 dB
Power supply	48 V Phantom power	48 V Phantom power
Main features	Clean transparent sound Wide dynamic range Low distortion High SPL handling	

Standard Microphones

Type	DPA 4006	DPA 4003	DPA 4006-TL	DPA 4011-TL	DPA 4012	DPA 4015-TL	DPA 4016
Directional Characteristics	Omnidirectional	Omnidirectional	Omnidirectional	Cardioid	Cardioid	Wide Cardioid	Wide Cardioid
Frequency range, ± 2 dB	20 Hz - 20 kHz up to 124 dB peak	10 Hz - 20 kHz	15 Hz - 20 kHz	40 Hz - 20 kHz	On-axis: 40 Hz - 20 kHz	40 Hz - 20 kHz	40 Hz - 20 kHz
Sensitivity, nominal, ±2 dB	10 mV/Pa; -40 dB re. 1 V/Pa	40 mV/Pa; -27 dB re. 1 V/Pa unloaded (at 250 Hz)	35 mV/Pa; -29 dB re. 1 V/Pa	10 mV/Pa; -40 dB re. 1 V/Pa	9 mV/Pa; -41 dB re. 1 V/Pa	10 mV/Pa; -40 dB re. 1 V/Pa unloaded (at 1 kHz)	9 mV/Pa; -41 dB re. 1 V/Pa
Equivalent noise level A-weighted	Typ. 15 dB(A) re. 20 µPa	Typ. 15 dB(A) re. 20 µPa (max. 17 dB(A))	Typ. 15 dB(A) re. 20 µPa (max. 17 dB(A))	Typ. 19 dB(A) re. 20 µPa (max. 20 dB(A))	Typ. 19 dB(A) re. 20 µPa (max. 20 dB(A))	Typ. 19 dB(A) re. 20 µPa (max. 20 dB(A))	Typ. 19 dB(A) re. 20 µPa (max. 20 dB(A))
Total harmonic distortion (THD)	<0.5% THD up to 129 dB SPL peak <1% THD up to 135 dB SPL peak	<0.5% THD up to 129 dB SPL peak <1% THD up to 135 dB SPL peak	<0.5% THD up to 129 dB SPL peak <1% THD up to 135 dB SPL peak	<0.5% THD up to 110 dB SPL peak <1% THD up to 116 dB SPL peak	<0.5% THD up to 110 dB SPL peak <1% THD up to 11 dB SPL peak	<0.5% THD up to 110 dB SPL peak <1% THD up to 116 dB SPL peak	<0.5% THD up to 110 dB SPL peak <1% THD up to 116 dB SPL peak
Max. SPL, peak before clipping	143 dB	154 dB	143 dB	158 dB	168 dB	158 dB	168 dB
Power supply	48 V Phantom power	130 V via HMA5000	48 V Phantom power	48 V Phantom power	130 V via HMA5000	48 V Phantom power	130 V via HMA5000
Main features	Clean transparent sound Wide dynamic range Low distortion Low noise floor Response modification possible		Clean transparent sound Wide dynamic range Low distortion Low noise floor Response modification possible	First-order cardioid pick-up pattern Extremely smooth off-axis response Ultra High SPL handling Transformerless design	Wide cardioid pick-up pattern Extremely smooth off-axis response Ultra High SPL handling Transformerless design		
High voltage models also offer		Higher sensitivity Extended headroom Transformerless design			Extended headroom		Extended headroom

Compact Microphones

Type	DPA 4051/52/53	DPA 4021/22/23	DPA 4026/27/28
Directional Characteristics	Omnidirectional	Cardiod	Wide Cardiod
Frequency range, ±2 dB	On-axis: 20 Hz - 20 kHz	On-axis: 40 Hz - 20 kHz	On-axis: 40 Hz to 20 kHz
Sensitivity, nominal, ± 2 dB	30 mV/Pa; -30 dB re. 1 V/Pa	7 mV/Pa (at 1 kHz)	7 mV/Pa; -43 dB re. 1 V/Pa
Equivalent noise level A-weighted	Typ. 15 dB(A) re. 20 µPa (max. 17 dB(A))	Typ. 20 dB(A) re. 20 µPa	Typ. 20 dB(A) re. 20 µPa
Total harmonic distortion (THD)	<0.5 % THD up to 125 dB SPL peak <1% THD up to 131 dB SPL peak	<0.5% THD up to 110 dB SPL peak <1% THD up to 116 dB SPL peak	<0.5 % THD up to 110 dB SPL peak <1% THD up to 116 dB SPL peak
Max. SPL, peak before clipping	135 dB	145 dB	145 dB
Power supply	48 V Phantom power	48 V Phantom power	48 V Phantom power
Main features	Compact Size Clean transparent sound Wide dynamic range Low distortion Low noise floor High sensitivity Response modification possible	Compact size First-order cardiod pick-up pattern Extremely smooth off-axis response High SPL handling	Compact size Extremely smooth off-axis response High SPL handling

Reference Microphones

Type	DPA 4004	DPA 4007
Directional Characteristics	Omnidirectional	Omnidirectional
Frequency range, ±2 dB	10 Hz - 40 kHz up to 152 dB SPL peak	20 Hz - 40 kHz
Equivalent noise level A-weighted	Typ. 24 dB(A) re. 20 µPa (max. 26 dB(A))	Typ. 24 dB(A) re. 20 µPa (max. 26 dB(A))
Sensitivity, nominal, ±2 dB	10 mV/Pa; -40 dB re. 1 V/Pa	25 mV/Pa; -52 dB re. 1 V/Pa
Total harmonic distortion (THD)	<0.5% THD up to 142 dB SPL peak <1% THD up to 148 dB SPL peak	<0.5% THD up to 142 dB SPL peak <1% THD up to 148 dB SPL peak
Max. SPL, peak before clipping	168 dB SPL peak (f<4 kHz)	144 dB
Power supply	130 V via HMA5000	48 V Phantom power
Main features	Clean transparent sound Wide dynamic range Ultra Low distortion Ultra High SPL handling	
High voltage model also offers	Higher sensitivity Extended headroom Transformerless design	

Miniature Microphones

Type	DPA 4060	DPA 4061/65/66	DPA 4062	DPA 4063	DPA 4067	DPA 4071	DPA 4088	
Directional Characteristics	Omnidirectional	Omnidirectional	Omnidirectional	Omnidirectional	Omnidirectional	Omnidirectional	Cardiod	
Frequency range, ± 2 dB	Soft boost grid: 20 Hz - 20 kHz, 3 dB soft boost at 8 - 20 kHz High boost grid: 20 Hz - 20 kHz, 10 dB boost at 12 kHz	Soft boost grid: 20 Hz - 20 kHz, 3 dB soft boost at 8 - 20 kHz High boost grid: 20 Hz - 20 kHz, 10 dB boost at 12 kHz	Soft boost grid: 20 Hz - 20 kHz, 3 dB soft boost at 8 - 20 kHz High boost grid: 20 Hz - 20 kHz, 10 dB boost at 12 kHz	Soft boost grid: 20 Hz - 20 kHz, 3 dB soft boost at 8 - 20 kHz High boost grid: 20 Hz - 20 kHz, 10 dB boost at 12 kHz	Soft boost grid: 50 Hz-20 kHz, 3 dB soft boost at 8-20 kHz, lo-cut -10 dB at 20 Hz High boost grid: 50 Hz-20 kHz, 10 dB boost at 12 kHz, lo-cut -10 dB at 20 Hz	100 Hz - 15 kHz with 5 dB soft boost at 4 - 6 kHz	100 Hz - 20 kHz (between 500 Hz and 20 kHz; 4-6 dB soft boost at 15 kHz)	
Sensitivity, nominal, ± 3 dB	20 mV/Pa; -34 dB re. 1 V/Pa	6 mV/Pa; -44.5 dB re. 1 V/Pa	1 mV/Pa; -60 dB re. 1 V/Pa	6 mV/Pa; 44.5 dB re. 1 V/Pa	1 mV/Pa; -60 dB re. 1 V/Pa	6 mV/Pa; -44.4 dB re. 1 V/Pa	6 mV/Pa	
Equivalent noise level A-weighted	Typ. 23 dB(A) re. 20 µPa (max. 26 dB(A))	Typ. 26 dB(A) re. 20 µPa (max. 28 dB(A))	Typ. 33 dB(A) re. 20 µPa (max. 37 dB(A))	Typ. 26 dB(A) re. 20 µPa (max. 28 dB(A))	Typ. 31 dB(A) re. 20 µPa (max. 35 dB(A))	Typ. 26 dB(A) re. 20 µPa (max. 28 dB(A))	Typ. 26 dB (A) re. 20 mPa	
Total harmonic distortion (THD)	<1% THD up to 123 dB SPL peak	<1% THD up to 123 dB SPL peak	<1% THD up to 123 dB SPL peak	<1% THD up to 123 dB SPL peak; <1% THD up to 120 dB SPL RMS sine	<1% THD up to 123 dB SPL peak; <1% THD up to 120 dB SPL RMS sine	<1% THD up to 123 dB SPL peak; <1% THD up to 120 dB SPL RMS sine	<1% THD up to 123 dB SPL peak; <1% THD up to 120 dB SPL RMS sine	
Max. SPL, peak before clipping	134 dB	144 dB	154 dB	138 dB	154 dB	144 dB	144 dB	
Power supply	Min. 5 V - max 50 V through DPA adapter	Min. 5 V - max 50 V through DPA adapter	Min. 5 V - max 50 V through DPA adapter	Min. 5 V - max 50 V through DPA adapter	Min. 5 V - max 50 V through DPA adapter	Min. 5 V - max 50 V through DPA adapter	Min. 5 V - max 50 V through DPA adapter	
Main features	Miniature size Clean transparent sound Wide dynamic range Low distortion Low noise floor Response modification possible Adapters for all wireless systems + XLR High sensitivity	Miniature size Clean transparent sound Wide dynamic range Low distortion Response modification possible Adapters for all wireless systems + XLR High SPL handling 4065 and 4066 are headbands	Miniature size Clean transparent sound Wide dynamic range Low distortion Response modification possible Adapters for all wireless systems + XLR Ultra High SPL handling	Miniature size Clean transparent sound Wide dynamic range Low distortion Response modification possible Adapters for all wireless systems + XLR Lo-sens & DC	Miniature size Clean transparent sound Wide dynamic range Low distortion Response modification possible Adapters for all wireless systems + XLR	Miniature size Clean transparent sound Wide dynamic range Low distortion Response modification possible Adapters for all wireless systems + XLR Ultra High SPL handling Lo-sens & DC	Miniature size Clean transparent sound Wide dynamic range Low distortion Adapters for all wireless systems + XLR High SPL handling Soft boost for speech clarity	Miniature size Clean transparent sound Wide dynamic range Low distortion Adapters for all wireless systems + XLR High SPL handling Soft boost for speech clarity