



Prepolarized Microphones-Pressure Field & Random Incidence

MP251 / MP253 / MP451 / MP471 / MP281

Model	MP251	MP253	MP451	MP471	MP281
Photos					
Optimized	Pressure-field	Pressure-field	Pressure-field	Pressure-field	Random-incidence
Diameter	1/2"	1/2"	1/4"	1/4"	1/2"
Standards	Class 1	Class 1	Class 1	Class 1	ANSI Type 1
Frequency Response (Hz)	8 ~ 20k	8 ~ 10k	10 ~ 50k	10 ~ 40k	6 ~ 12.5k
Open-circuit Sensitivity (mV/Pa) (±2dB)	10	50	4	2	40
Dynamic Range (dBA)	25 ~ 146	17 ~ 146	35 ~ 164	45 ~ 168	17 ~ 146
Inherent Noise (dBA)	25	17	35	45	17
Venting	Rear	Rear	Rear	Rear	Rear
Operating Temperature (°C)	-30 ~ 80	-30 ~ 80	-30 ~ 80	-30 ~ 80	-30 ~ 80
Operating Humidity (RH) (Without Condensed Water)	0 ~ 98%	0 ~ 98%	0 ~ 98%	0 ~ 98%	0 ~ 98%
Capacitance (pF)	12	16	6	6	16
Equivalent Air Volume (250 Hz) (mm ³)	30	46	0.6	0.6	46
Temperature Coefficient (dB/°C)	-0.02	-0.02	-0.02	-0.02	-0.012
Humidity Influence	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Pressure Coefficient (250 Hz) (dB/kPa)	-0.005	-0.005	-0.007	-0.007	-0.004
Dimensions	IEC 61094-4 Type WS2	IEC 61094-4 Type WS2	IEC 61094-4 Type WS3	IEC 61094-4 Type WS3	IEC 61094-4 Type WS2
Screw Thread	M11.7 – 60UNS	M11.7 – 60UNS	M5.7 – 60UNS	M5.7 – 60UNS	M11.7 – 60UNS
Matching Preamplifiers	MA231 / MA221 / MA231T	MA231 / MA221 / MA231T	MA401	MA401	MA231 / MA221 / MA231T

