

Prepolarized Microphones-Free Field

MP201 / MP231 / MP215 / MP401 / MP411 / MP418

Model	MP201	MP231	MP215	MP401	MP411	MP418
Photos						
Optimized	Free-field	Free-field	Free-field	Free-field	Free-field	Free-field
Diameter	1/2"	1/2"	1/2"	1/4"	1/4"	1/4"
Standards (IEC61672)	Class 1	Class 1	Class 2	Class 1	Class 1	Class 2
Frequency Response (Hz)	6.3 ~ 20k	3 ~ 20k	20 ~ 12.5k	10 ~ 70k	10 ~ 40k	20 ~ 16k
Open-circuit Sensitivity (mV/Pa) (±2dB)	50	40	40	5	2	10
Dynamic Range (dBA)	17 ~ 146	17 ~ 146	23 ~ 146	35 ~ 164	45 ~ 168	36 ~ 137
Inherent Noise (dBA)	17	17	23	35	45	36
Venting	Rear	Rear	Rear	Rear	Rear	Front
Operating Temperature (°C)	-30 ~ 80	-30 ~ 80	-20 ~ 80	-30 ~ 80	-30 ~ 80	0 ~ 40
Operating Humidity (RH) (Without Condensed Water)	0 ~ 98%	0 ~ 98%	0 ~ 98%	0 ~ 98%	0 ~ 98%	0 ~ 98%
Capacitance (pF)	16	16	13	6	6	6
Equivalent Air Volume (mm ³)	46	46	45	0.6	0.6	1
Temperature Coefficient (dB/°C)	-0.012	-0.012	<± 0.3 dB (0 ~ 40 °C) with 250Hz, at reference temperature 23 °C	-0.02	-0.02	<± 0.6 (0 ~ 40 °C) with 250Hz, at reference temperature 23 °C
Humidity Influence	< 0.1	< 0.1	< 0.2	< 0.1	< 0.1	< 0.5
Pressure Coefficient (250 Hz) (dB/kPa)	-0.004	-0.004	-0.03	-0.007	-0.007	-0.06
Dimensions	IEC 61094-4 Type WS2	IEC 61094-4 Type WS2	IEC 61094-4 Type WS2	IEC 61094-4 Type WS3	IEC 61094-4 Type WS3	--
Screw Thread	M11.7 – 60UNS	M11.7 – 60UNS	M11.7 – 60UNS	M5.7 – 60UNS	M5.7 – 60UNS	M6 × 0.5
Matching Preamplifiers	MA231 / MA221 / MA231T	MA231 / MA221 / MA231T	MA231 / MA221 / MA231T	MA401	MA401	MA408