Prepolarized Microphones-Free Field

MP201 / MP231 / MP215 / MP216 / MP401 / MP411 / MP418

Model	MP201	MP231	MP215	MP216	MP401	MP411	MP418
Photos							
Optimized	Free-field	Free-field	Free-field	Free-field	Free-field	Free-field	Free-field
Diameter	1/2″	1/2″	1/2″	1/2″	1/4″	1/4″	1/4″
Standards (IEC61672)	Class I	Class I	Class II	Class II	Class I	Class I	Class II
Frequency Response (Hz)	6.3 ~ 20k	3 ~ 20k	20 ~ 12.5k	20 ~ 12.5k	10 ~ 70k	10 ~ 40k	20 ~ 16k
Open-circuit Sensitivity (mV/Pa) (±2dB)	50	40	40	32	5	2	10
Dynamic Range (dBA)	16 ~ 146	16 ~ 146	23 ~ 146	28 ~ 135	35 ~ 164	45 ~ 168	36 ~ 137
Inherent Noise (dBA)	< 16	< 16	< 23	< 28	< 35	< 45	< 36
Venting	Rear	Rear	Rear	Rear	Rear	Rear	Front
Operating Temperature (°C)	-30 ~ 80	-30 ~ 80	-20 ~ 80	0 ~ 40	-30 ~ 80	-30 ~ 80	0 ~ 40
Operating Humidity (RH) (Without Condensed Water)	0 ~ 98%	0 ~ 98%	0 ~ 98%	0 ~ 98%	0 ~ 98%	0 ~ 98%	0 ~ 98%
Capacitance (pF)	16	16	13	25	6	6	6
Equivalent Air Volume (mm^3)	40	40	45	60	0.6	0.6	1
Temperature Coefficient (dB/°C)	0.005	0.005	<± 0.3 dB (0 ~ 40 °C) with 250Hz, at reference temperature 23 °C	<± 0.6 (0 ~ 40 °C) with 250Hz, at reference temperature 23 °C	0.009	0.009	<± 0.6 (0 ~ 40 °C) with 250Hz, at reference temperature 23 °C
Humidity Coefficient (dB/%RH)	0.003	0.003	0.007	0.015	0.003	0.003	0.015
Pressure Coefficient (250 Hz) (dB/kPa)	-0.004	-0.004	-0.03	-0.06	-0.007	-0.007	-0.06
Dimensions	IEC 1094-4 Type WS2	IEC 1094-4 Type WS2	IEC 1094-4 Type WS2	IEC 1094-4 Type WS2	IEC 1094-4 Type WS3	IEC 1094-4 Type WS3	--
Screw Thread	M11.7 – 60UNS	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	MA231 / MA221 / MA231T	MA401	MA401	MA408