Prepolarized Microphones-Pressure Field & Diffuse Field

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 I	Class I	Class I	Class I	ANSI Type I
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	16 ~ 146	35 ~ 164	45 ~ 168	16 ~ 146
Inherent Noise (dBA)	< 25	< 16	< 35	< 45	< 16
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	40	0.6	0.6	40
Temperature Coefficient (dB/°C)	0.008	0.008	0.009	0.009	0.005
Humidity Coefficient (dB/%RH)	0.003	0.003	0.003	0.003	0.003
Pressure Coefficient (250 Hz) (dB/kPa)	-0.005	-0.005	-0.007	-0.007	-0.004
Dimensions	IEC 1094-4 Type WS2	IEC 1094-4 Type WS2	IEC 1094-4 Type WS3	IEC 1094-4 Type WS3	IEC 1094-4 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

BSWA

