

### DATASHEET – BARE MCP

Outer Diameter (mm)		12	18	25		33	50		90	
Active Diameter (mm)		≥ 11.1	≥ 14.0	≥ 18.6		≥ 26.0	≥ 44.0		≥ 77.0	
Channel Pitch (μm)		8	8	10	8	12	12	10	12	21
Pore Diameter (μm)		6	6	8	6	10	10	8	10	19
Bias Angle		6° ± 1°	12° ± 1°	6° ± 1°		12° ± 1°	6° ± 1°		6° ± 1°	
Open Area Ratio		≥ 60%	≥ 60%	≥ 62%		≥ 64%	≥ 60%		≥ 60%	
Plate Thickness (mm)	Aspect Ratio 40:1	0.32± 0.05	0.38± 0.05	0.38± 0.05	0.29± 0.05	0.40± 0.05	0.48± 0.05	0.38± 0.05	0.65± 0.05	1.1± 0.05
	Aspect Ratio 60:1	-	0.48± 0.05	0.48± 0.05	0.36± 0.05	0.61± 0.05	0.72± 0.05	0.6 ± 0.05	0.65± 0.05	1.26± 0.05
Electrode Material		NiCr	NiCr	NiCr		NiCr	NiCr		NiCr	
Resistance (MΩ)		100÷150	50÷200	50÷200		40÷150	40÷150		40÷150	
Electron Gain	@800V	≥ 5×10 <sup>3</sup>	≥ 5×10 <sup>3</sup>	≥ 1×10 <sup>3</sup>		≥ 1×10 <sup>3</sup>	-	≥ 1×10 <sup>3</sup>	-	
	@1000V	-	-	-		-	≥ 2×10 <sup>4</sup>	-	-	≥ 2×10 <sup>4</sup>
	@1200V	-	-	-		-	≥ 2×10 <sup>4</sup>	-	≥ 2×10 <sup>4</sup>	-
Quality		Imaging	Imaging	Imaging		Imaging	Imaging		Imaging	
		Detection	Detection	Detection		Detection	Detection		Detection	