

MEP (12V, 15V, 18V, 24V, 48V)



- Suitable for type BF medical products
- 2 × MOPP isolation
- Compliant with IEC 60601-1-2 Ed. 4 requirements
- Class B conducted and radiated EMI
- Applicable to Class I/II system

Applications



Medical
Display



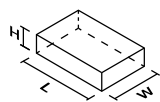
Respiratory



Dental

		NEW	NEW	NEW
Output		MEP-120A12J BNA	MEP-200A12J BNA	MEP-120A15J BNA
Output Voltage		12 V	12 V	15 V
Output Current (Max)		9.5 A	16.67 A	8.0 A
Output Power		114 W	200 W	120 W
Load Regulation		± 1%	2%	± 1%
Ripple & Noise		100 mVpp	1% typ. pk-pk Vrated @ rated load	120 mVpp
Input				
Input Voltage Range		90-264 V _{AC}		
Input Frequency		47-63 Hz		
Efficiency	115 V _{AC} (60 Hz)	91.0% typ.	92.4% typ.	91.5% typ.
	230 V _{AC} (50 Hz)	93.5% typ.	93.8% typ.	93.5% typ.
Leakage Current ¹⁾	264 V _{AC}	Input-PE: < 0.1mA @ NC, < 1mA @ SFC Output-PE: < 0.1mA @ NC, < 0.5mA @ SFC	Input-PE: < 71µA @ NC, < 156µA @ SFC Output-PE: < 71µA @ NC, < 159µA @ SFC	Input-PE: < 0.1mA @ NC, < 1mA @ SFC Output-PE: < 0.1mA @ NC, < 0.5mA @ SFC
Mechanical				
Dimensions (L × W × H)	mm	76.2 × 50.8 × 31	101.6 × 50.8 × 28.5	76.2 × 50.8 × 31
	inch	3.00 × 2.00 × 1.22	4.00 × 2.00 × 1.12	3.00 × 2.00 × 1.22
Unit Weight	kg	0.14	0.21	0.14
	lb	0.31	0.46	0.31
MTBF ²⁾		700,000 hrs	1,000,000 hrs	700,000 hrs
EMC & Emissions		CISPR 11 / EN 55032		
Environment				
Operating Temperature ³⁾		-30°C to +70°C		
Storage Temperature		-40°C to +85°C		
Operating Humidity		5 to 95% RH (Non-Condensing)		
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)		
Medical Rating				
Float Rating		BF		
MOPP		2 × MOPP		

Dimensions Reference



Notes

- 1) NC: normal condition, SFC: single fault condition.
- 2) MTBF as per Telcordia SR-332 (I/P: 115 V_{AC} & 230 V_{AC}, Ta: 25°C).
For MEP-200A□J BNA, MTBF as per Telcordia SR-332 (I/P: 115 V_{AC}, O/P: 170 W for Convection, Ta: 35°C).
- 3) Refer power de-rating in the product datasheet.

NEW	NEW	NEW	NEW
MEP-120A18J BNA	MEP-120A24J BNA	MEP-200A24J BNA	MEP-200A48J BNA
18 V	24 V	24 V	48 V
6.67 A	5.0 A	8.34 A	4.17 A
120 W	120 W	200 W	200 W
± 1%		2%	
150 mVpp		1% typ. pk-pk Vrated @ rated load	
90-264 VAC			
47-63 Hz			
92.0% typ.		93.3% typ.	93.8% typ.
94.0% typ.		94.7% typ.	95.4% typ.
Input-PE: < 0.1 mA @ NC, < 1 mA @ SFC Output-PE: < 0.1 mA @ NC, < 0.5 mA @ SFC		Input-PE: < 71 μA @ NC, < 156 μA @ SFC Output-PE: < 71 μA @ NC, < 159 μA @ SFC	
76.2 × 50.8 × 31	76.2 × 50.8 × 31	101.6 × 50.8 × 28.5	101.6 × 50.8 × 28.5
3.00 × 2.00 × 1.22	3.00 × 2.00 × 1.22	4.00 × 2.00 × 1.12	4.00 × 2.00 × 1.12
0.14	0.14	0.21	0.21
0.31	0.31	0.46	0.46
700,000 hrs		1,000,000 hrs	
CISPR 11 / EN 55032			
-30°C to +70°C			
-40°C to +85°C			
5 to 95% RH (Non-Condensing)			
0 to 5,000 m (0 to 16,400 ft)			
BF			
2 × MOPP			