



16.5~30W AC-DC Single Output and Medical Type Desktop

MES30B series



■ Features :

- Universal AC input / Full range
- 2 pole AC inlet IEC320-C8
- Class II power (without earth pin)
- Full output 3~48V safety approval
- Protections: Short circuit / Overload / Over voltage / Over temp.
- Fully enclosed plastic case
- Medical safety approved (MOPP level)
- Fix switching frequency and regulation
- Topology: Top switch circuit
- LED indicator for power on
- Approvals: UL / CUL / TUV / CB / CE
- 2 years warranty



ORDER NO.	ATION	MES30R-001 I	MES30R-1D1 I	MES30R-1-101 I	MES30R-2D1	MES30R-3P1	I MES30R-4P4	MES30B-5P1J	MES30R-6P1	I MES30R-8D4
OKDEK NO.	SAFETY MODEL NO.									
ОИТРИТ		MES30B-0	MES30B-1 5V	MES30B-1-1 7.5V	MES30B-2 9V	MES30B-3 12V	MES30B-4	MES30B-5 18V	MES30B-6 24V	MES30B-8 48V
					-					
	RATED CURRENT	5A	5A	3.33A	3.33A	2.5A	2.0A	1.66A	1.25A	0.62A
	CURRENT RANGE	0 ~ 5A	0 ~ 5A	0 ~ 3.33A	0 ~3.33A	0 ~ 2.5A	0 ~ 2.0A	0 ~ 1.66A	0 ~ 1.25A	0 ~ 0.62A
	RATED POWER	16.5W	25W	25W	30W	30W	30W	30W	30W	30W
	RIPPLE & NOISE (max.) Note.3		30mVp-p	40mVp-p	50mVp-p	50mVp-p	60mVp-p	70mVp-p	80mVp-p	100mVp-p
	VOLTAGE ADJ. RANGE	Fixed		ı						
	VOLTAGE TOLERANCE Note.4		-5% ~ +8%	±4.0%	±4.0%	±3.0%	±2.0%	±2.0%	±2.0%	±2.0%
	LINE REGULATION Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LOAD REGULATION Note.6	±8.0%	-5% ~ +8%	±4.0%	±4.0%	±3.0%	±2.0%	±2.0%	±2.0%	±2.0%
	SETUP, RISE, HOLD UP TIME	300ms, 50ms	, 16ms at full lo	oad						
INPUT	VOLTAGE RANGE	90 ~ 264VAC 135 ~ 370VDC								
	FREQUENCY RANGE	47 ~ 63Hz								
	EFFICIENCY (Typ.)	56%	70%	72%	74%	76%	78%	78%	80%	82%
	AC CURRENT	0.8A/100VAC								
	INRUSH CURRENT (max.)	35A / 230VAC								
	LEAKAGE CURRENT (max.) Note.7	Touch curren	Touch current < 80 \(\alpha \)/264VAC							
PROTECTION	OVERLOAD	112 ~ 250% 1	ated output po	wer		150~350% ra	ated output pov	ver		
		Protection type: Hiccup mode, recovers automatically after fault condition is removed								
	OVER VOLTAGE	110 ~ 140% rated output voltage								
		Protection type: Hiccup mode, recovers automatically after fault condition is removed								
		Ti 135°C typically (IC1) detect on main control IC								
	OVER TEMPERATURE	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down								
ENVIRONMENT	WORKING TEMP.	0 ~ +65°C (Refer to "Derating Curve")								
	WORKING HUMIDITY	20% ~ 90% RH non-condensing								
		-20 ~ +85°C, 10 ~ 95% RH								
	STORAGE TEMP., HUMIDITY	*								
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50°C)								
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes								
SAFETY & EMC (Note. 8)	SAFETY STANDARDS	ANSI/AAMI ES60601-1, TUV EN60601-1, IEC60601-1 approved								
	WITHSTAND VOLTAGE	I/P-O/P: 5656VDC								
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH								
	EMC EMISSION	Compliance to EN55011(CISPR11) class B, EN61000-3-2,3								
	EMC IMMUNITY	Compliance to EN60601-1-2 (EN61000-4-2,3,4,5,6,8,11), light industry level, criteria A								
OTHERS	MTBF	400Khrs min. MIL-HDBK-217F (25°ℂ)								
	DIMENSION	108*67*36mr								
	PACKING	0	0.3kg; 54pcs/ 20kg / CARTON							
CONNECTOR	PLUG	Standard type P1J: $2.1\phi * 5.5\phi * 11$ mm, turning fork type, center positive for stock; Other type available by customer requested								
	CABLE	SPT-2 16AW	G 4FT for 3.3 ~	7.5V; UL1185	18AWG 6FT fo	or 9 ~48V				
NOTE	2.DC voltage: The output volt 3.Ripple & noise are measure 4.Tolerence: includes set up t 5.Line regulation is measured 6.Load regulation is measure 7.Touch current was measure	iffied at 230VAC input, rated load, 25°C 70% RH ambient. voltage set at point measure by plug terminal & 50% load. sured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. up tolerance, line regulation, load regulation. ured from low line to high line at rated load. ured from 0% to 100% rated load. sured from primary input to DC output. sidered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets								





16.5~30W AC-DC Single Output and Medical Type Desktop

MES30B series

