



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

OFM-5000 SERIES

- .LOW COST, HIGH RELIABILITY
- .105° C OUTPUT CAPACITOR
- .INTERNATIONAL AC INPUT RANGE
- .HIGH EFFICIENCY, LOW WORKING TEMPERATURE
- .SOFT-START CIRCUIT, LIMITING AC SURGE CURRENT
- .SHORT CIRCUIT, OVERLOAD, OVER VOLTAGE PROTECTED
- .COMPACT SIZE, LIGHT WEIGHT
- .100% FULL LOAD BURN-IN TEST
- .BUILT IN EMI FILTER, LOW RIPPLE NOISE



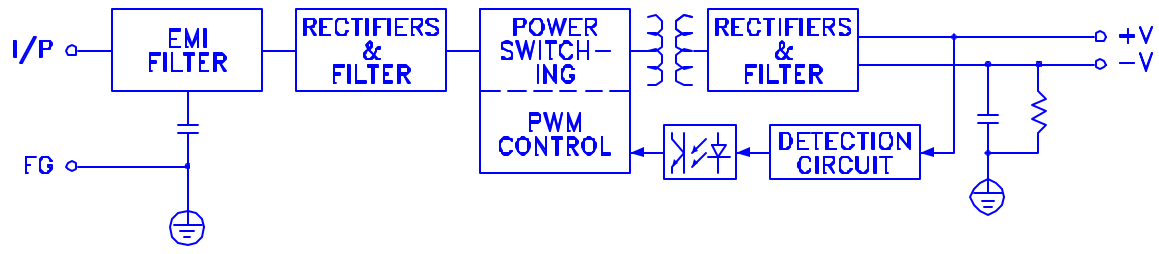
MODEL	OFM-5001	OFM-5002	OFM-5003	OFM-5005
SPECIFICATION				
DC OUTPUT VOLTAGE	5V	12V	15V	24V
OUTPUT V. TOLERANCE	±2%	±2%	±2%	±2%
OUTPUT RATED CURRENT	1A	0.42A	0.33A	0.23A
OUTPUT CURRENT RANGE	0-1A	0-0.42A	0-0.33A	0-0.23A
RIPPLE & NOISE	50mVp-p	150mVp-p	150mVp-p	240mVp-p
LINE REGULATION	±0.5%	±0.3%	±0.3%	±0.2%
LOAD REGULATION	±2%	±1%	±1%	±0.5%
DC OUTPUT POWER	5W	5.04W	4.95W	5.52W
EFFICIENCY	63%	67%	67%	68%
DC VOLTAGE ADJ.	±10%			
INPUT VOLTAGE RANGE	85~264VAC 47~440Hz; 120~370VDC			
AC CURRENT	0.16A/115V 0.14A/230V			
INRUSH CURRENT	COLD START 20A/115V 40A/230V			
LEAKAGE CURRENT	-----			
OVERLOAD PROTECTION	ABOVE 150% TYPE:PULSING HICCUP SHUTDOWN RESET:AUTO RECOVERY			
OVER VOLTAGE PROTECTION	115%~135%			
OVER TEMP. PROTECTION	U1 Tj 145° C TYPICALLY POWER SHUTDOWN			
TEMP. COEFFICIENT	±0.03% / ° C (0~50° C)			
SETUP, RISE, HOLD UP TIME	150ms, 20ms, 20ms/115VAC 150ms, 20ms, 80ms / 230VAC			
VIBRATION	10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES			
WITHSTAND VOLTAGE	I/P-O/P: 3KVAC			
ISOLATION RESISTANCE	I/P-O/P: 500VDC / 100M Ohms			
WORKING TEMP., HUMIDITY	-10° C~+60° C(REFER TO OUTPUT DERATING CURVE) , 20%~90% RH			
STORAGE TEMP., HUMIDITY	-20° C~+85° C, 10%~95% RH			
DIMENSION	58*45*21mm			
WEIGHT	40g			
SAFETY STANDARDS	UL1950, TUV EN60950 APPROVED			
EMC STANDARDS	EN50081-1,EN50082-1			

NOTE : 1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25° C 70% RH. AMBIENT.
2.RIPPLE & NOISE ARE MEASURED AT 20MHZ BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
3.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.

MAR.25.1999

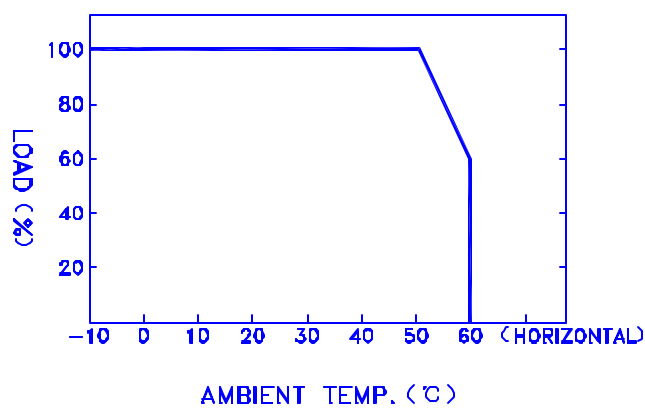
OFM-5000 SERIES

BLOCK DIAGRAM

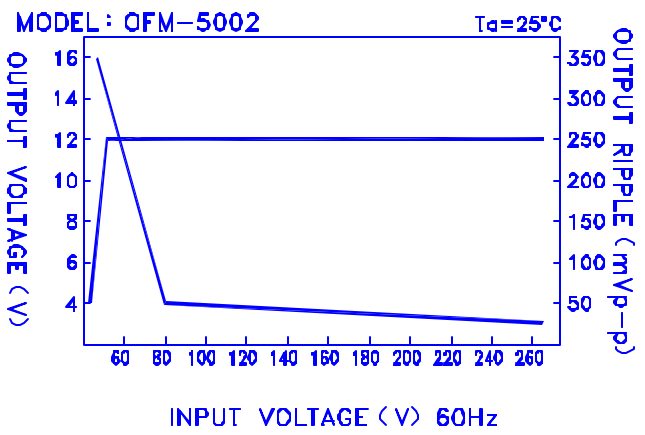


fosc : 100KHz

OUTPUT DERATING

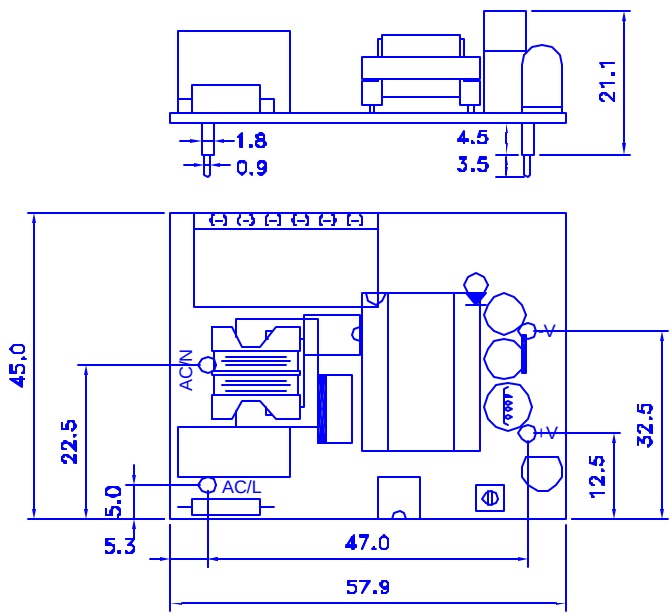


STATIC CHARACTERISTICS



DIMENSION:mm

AC INPUT



DC OUTPUT