

OPEN FRAME Single Output

45 Watt to 48 Watt

- A family of single output, 45 to 48 Watt, universal input switching power supplies
- Meets international and domestic commercial safety standards
- Meets international EMI requirements



SPECIFICATIONS

ELECTRICAL INPUT

Universal, 90 - 264Vac, 47-63 Hz, single phase.
 Inrush current: 30A Max @ 115Vac & cold start
 60A Max @ 230Vac & cold start

OUTPUT

Ripple *: 1 % p-p of output voltage measured differentially
 Max total regulation **: 5 %
 Max Startup time: 5 s
 Holdover: 8 ms minimum
**Ripple voltage measurement is done with an oscilloscope set at 20 MHz bandwidth and output terminated with 0.1 uF ceramic capacitor and 47 uF aluminum capacitor at full load and nominal line*
*** includes line, load, temperature and set point*

EFFICIENCY 78 % minimum

PROTECTION Output short circuit and overload protected
 Over voltage protection Auto recovery at 19.8V ~ 23V

LEAKAGE CURRENT Less than 750uA

MECHANICAL

AC input: #18 AWG wire 90 mm with IEC-320C14 AC inlet (supercom SC-9-1)
 DC Output: #18 AWG UL1007 black wire 100 mm with Molex 3069
 Dimensions (L x W x H), mm: 120 x 54 x 32
 Weight typical, g: 185

ENVIRONMENTAL

Operating temperature: 0 to + 40 °C
(at full rated output power with natural convection cooling and in non-restricted environment)
 Storage temperature: -20 to + 85 °C
 Operating Humidity: 10 to 90 %
 Storage Humidity: 5 to 95 %

Hi-Pot Test

Primary to FG 1500Vac / 1 minute @ 10mA max

EMI Compliance

FCC part 15J Class B
 CISPR 22 (EN 55022) Class B

Safety Approvals

UL 1950 3rd Edition
 cUL
 TUV EN 60950

Ordering Information

Model Number	Nominal Power	Output, DC ¹⁾	
		Volts	Max Amps
OTE-4818F	45	18	2.5
OTE-4818F-1010	45	12	3.7
OTE-4818F-1020	45	15	3
OTE-4818F-1030	48	24	2

1) Peak Load: 112 % of max current for less than 1 sec
All units can be customized to meet specific needs

