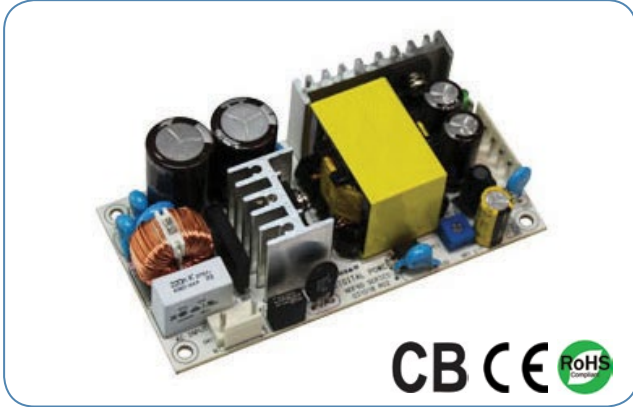


NOF60

MAX. Power 60W Isolated Open Frame Type Small AC-DC Converter

NOF60 Series Isolated Open Frame Type Small AC-DC Converter



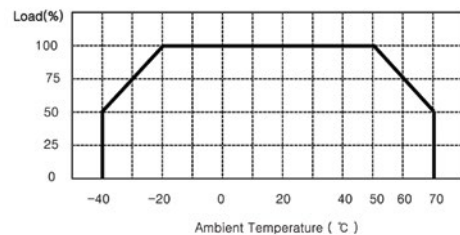
Features

- Power Saving Mode Operation
- Very Small, High Efficiency
- Isolated Input - Output
- 65kHz fixed frequency and Current mode Control
- Low output Ripple & Noise
- Built-in over current protection circuit
- Short Circuit Protection
- Universal Input Voltage(Free Voltage)
- Built in EMI Filter
- Safety standard : CB, CE approved
- RoHS compatible design
- 3-years warranty

Environment

- Operating Temperature : -40°C ~ 70°C
- Operating Humidity : 20% ~ 90% RH (Non condensing)
- Storage Temperature : -40°C ~ 85°C
- Cooling : Free-Air Convection
- MTBF : 3.0 x 10⁵ hrs

Derating Curve



* Operating Temperature Range : From -40°C to 70°C

General Specifications

Input	Power Saving	less than 0.3W (@Input : 230Vac, Output : No Load)
	Voltage Range	AC90V ~ 264V OR DC120V ~ 370V
	Frequency	44 ~ 440Hz(50Hz, 60Hz Typ.)
	Current	NOF5 : 0.20Amax, NOF10 : 0.33Amax NOF20 : 0.63Amax, NOF40 : 1.19Amax NOF60 : 1.40Amax, NOF75 : 1.70Amax NOF100 : 3.30Amax, NOF150 : 3.45Amax
	Efficiency	86% ~ 89%
	Inrush Current	30Amax.(110Vac), 60Amax.(220Vac) @ Cold start
	Leakage Current	0.2mAmax.(110Vac), 0.35mAmax.(220Vac)
Output	Output Voltage	12V, 15V, 24V, 48V
	Line Regulation	± 1.0%
	Load Regulation	± 1.0%
	Output Voltage adj. Range	± 10%
	Ripple & Noise	1%(Peak to Peak) Max.
Protection Circuit	Over Current Protection	Works at over 105% of rating and recovers automatically
	Short Circuit Protection	1minute, recovers automatically
	Over Voltage Protection	Works at over 115% ~ 140% of rating, re-power on to recover When the OVP triggers, the output voltage is clamped 70%~90% of rating.
Electrically Isolated	Input - Output	AC3kV, 1minute / DC500V, 100MΩ min
	Input - FRG	AC2kV, 1minute / DC500V, 100MΩ min
	Output - FRG	AC0.5kV, 1minute / DC500V, 70MΩ min

