

Наличие и актуальные цены на

NPF-40-42

https://www.mean-well.ru/store/NPF-40-42/



NPF-40 series







Features

- Constant Voltage + Constant Current mode output
- Plastic housing with Class II design
- Built-in active PFC function
- · Class 2 power unit
- No load power consumption <0.15W
- · IP67 rating for indoor or outdoor installations
- Typical lifetime>50000 hours
- 5 years warranty

Applications

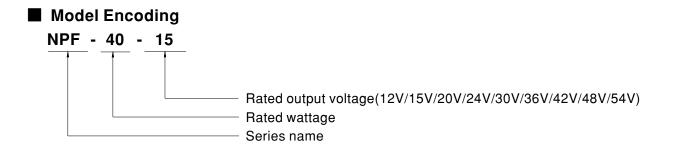
- LED panel lighting
- LED downlight
- LED decorative lighting
- LED tunnel lighting
- Moving sign
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location

GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

Description

NPF-40 series is a 40W AC/DC LED driver featuring the dual modes constant voltage and constant current output. NPF-40 operates from $90 \sim 305$ VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the hign efficiency up to 90%, with the fanless design, the entire series is able to operate for -40° C $\sim +85^{\circ}$ C case temperature under free air convection. The entire series is rated with IP67 ingress protection level and is suitable to work for a variety of applications at dry, damp or wet locations.



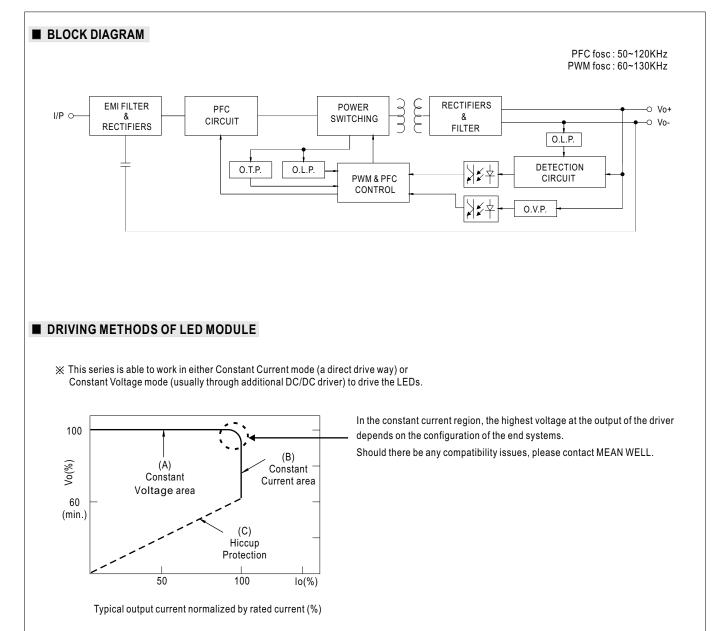


NPF-40 series

SPECIFICATION

MODEL		NPF-40-12	NPF-40-15	NPF-40-20	NPF-40-24	NPF-40-30	NPF-40-36	NPF-40-42	NPF-40-48	NPF-40-54
	DC VOLTAGE	12V	15V	20V	24V	30V	36V	42V	48V	54V
OUTPUT	CONSTANT CURRENT REGION Note.2		9~15V	12~20V	14.4 ~ 24V	18 ~ 30V	21.6 ~ 36V	25.2 ~ 42V	28.8~48V	32.4 ~ 54V
	RATED CURRENT	3.34A	2.67A	2A	1.67A	1.34A	1.12A	0.96A	0.84A	0.76A
	RATED POWER Note.5	40.08W	40.08W	40W	40.08W	40.2W	40.32W	40.32W	40.32W	41.04W
	RIPPLE & NOISE (max.) Note.3		150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p	350mVp-p
	VOLTAGE TOLERANCE Note.4	±4.0%	±4.0%	±4.0%	±3.0%	±3.0%	±2.0%	±1.0%	±1.0%	±1.0%
		±0.5%					±0.5%	±0.5%		
			±0.5%	±0.5%	±0.5%	±0.5%			±0.5%	±0.5%
		±1.5%	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME Note.6	500ms, 80ms 115VAC / 230VAC								
	HOLD UP TIME (Typ.)	16ms/230VAC 16ms/115VAC								
INPUT	VOLTAGE RANGE Note.5	90 ~ 305VAC 127 ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" section)								
	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR	PF≧0.97/115VAC, PF≧0.95/230VAC, PF≧0.92/277VAC@full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)								
	TOTAL HARMONIC DISTORTION	THD<20%(@load≧60%/115VC,230VAC; @load≧75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)								
	EFFICIENCY (Typ.)	86%	87%	88%	89%	89%	90%	90%	90%	90%
	AC CURRENT	0.6A / 115VA	C 0.3A/2).25A/277VAC	;				
	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=270µs measured at 50% lpeak) at 230VAC; Per NEMA 410								
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	9 units (circuit breaker of type B) / 16 units (circuit breaker of type C) at 230VAC								
	LEAKAGE CURRENT	<0.25mA / 277VAC								
	NO LOAD POWER CONSUMPTION									
PROTECTION		95~108%								
	OVER CURRENT	Constant current limiting, recovers automatically after fault condition is removed								
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed								
		15 ~ 17V	17.5 ~ 21V	23 ~ 27V	28 ~ 34V	34 ~ 40V	41~46V	46 ~ 54V	54 ~ 60V	59~66V
	OVER VOLTAGE			1		01 100	1 100	10 011	04 001	00 001
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover Shut down o/p voltage, re-power on to recover								
	WORKING TEMP.	Tcase=-40 ~ +85℃ (Please refer to " OUTPUT LOAD vs TEMPERATURE" section)								
ENVIRONMENT	MAX. CASE TEMP.	Tcase=+85°C								
		20 ~ 95% RH non-condensing								
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C , 10 ~ 95% RH								
	TEMP. COEFFICIENT									
		$\pm 0.03\%$ °C (0 ~ 50°C)								
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes								
SAFETY & EMC	SAFETY STANDARDS Note.8	UL8750(type"HL"), UL879(for 12V,24V only), CSA C22.2 No. 250.13-12, ENEC BS EN/EN61347-1, BS EN/EN61347-2-13 independent, BS EN/EN62384, EAC TP TC 004, GB19510.1,GB19510.14, IP67 approved; Design refer to BS EN/EN60335-1								
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC								
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH								
	EMC EMISSION Note.8	Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class C (@load≧60%) ; BS EN/EN61000-3-3; GB/T 17743, GB17625.1, EAC TP TC 020								
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11; BS EN/EN61547, light industry level (surge immunity Line-Line 2KV); EAC TP TC 020								
OTHERS	MTBF	3084.3K hrs min. Telcordia SR-332 (Bellcore); 288.2Khrs min. MIL-HDBK-217F (25℃)								
	DIMENSION	150*53*35mm	· /							
	PACKING	0.49Kg;30pc	s/15.7Kg/1.0C	UFT						
NOTE	 All parameters NOT special Please refer to "DRIVING M Ripple & noise are measure Tolerance : includes set up to De-rating may be needed u Length of set up time is mer The driver is considered as complete installation, the fin (as available on https://www This series meets the typica Please refer to the warranty The ambient temperature of For any application note ar https://www.meanwell.com 	ETHODS OF ed at 20MHz o tolerance, line nder low input asured at first a component meanwell.cor I life expectan statement on derating of 3.5 nd IP water pro	LED MODUL f bandwidth by regulation and voltages. Plee cold start. Tum manufacturers n//Upload/PDF cy of >50,000 MEAN WELL °C/1000m witt pof function ins	E". y using a 12" t d load regulatic ase refer to "S ning ON/OFF erated in coml must re-qualif F/EMI_statement hours of oper- 's website at h n fanless mode	wisted pair-wir n. TATIC CHARA the driver manufacture into with fill y EMC Directi ant_en.pdf) ation when Tca ttp://www.mea els and of 5°C/	e terminated v ACTERISTIC" lead to increa nal equipment. ve on the com ase, particularly nwell.com '1000m with fa	vith a 0.1uf & 4 sections for de se of the set u Since EMC po plete installatio y (tc) point (or ⁻ n models for o	7uf parallel ca tails. p time. erformance wil n again. TMP, per DLC) perating altitud	l be affected b I, is about 75°0	C or less.

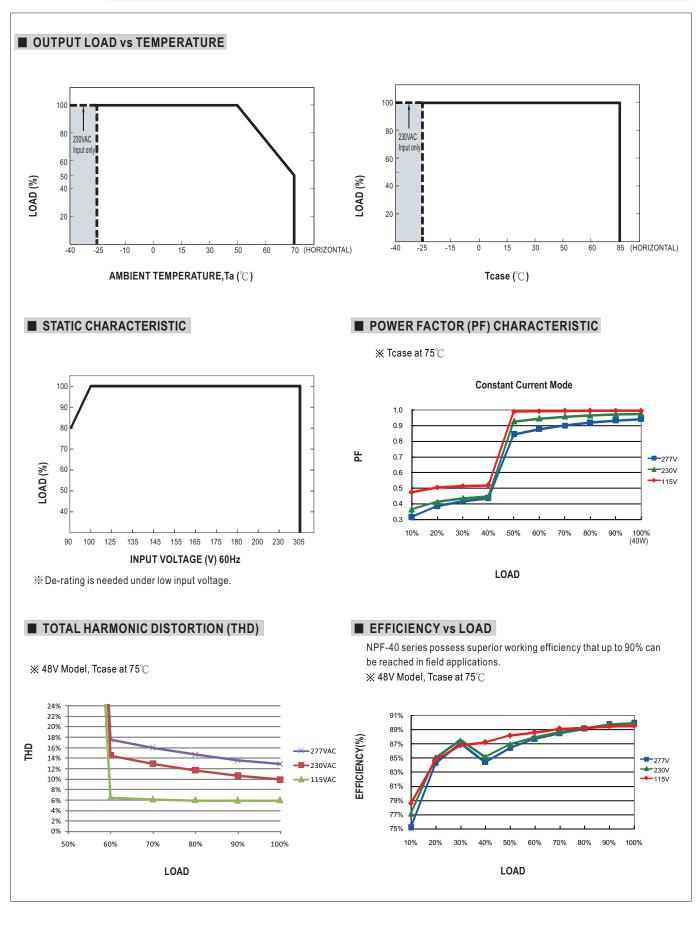






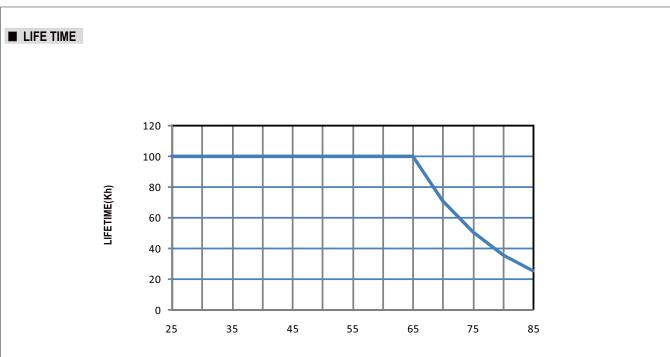
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