



25W Single Output Switching Power Supply

APC-25 series



■ Features :

- Constant current mode power supply
- Universal AC input / Full range
- Withstand 300VAC Surge input for 5 seconds
- Protections: Short circuit / Over voltage
- Fully isolated plastic case
- Small and compact size
- Cooling by free air convection
- IP42 design
- 100% full load burn-in test
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)(Note.8)
- Low cost / High reliability
- 2 years warranty

User's Manual



■ GTIN CODE

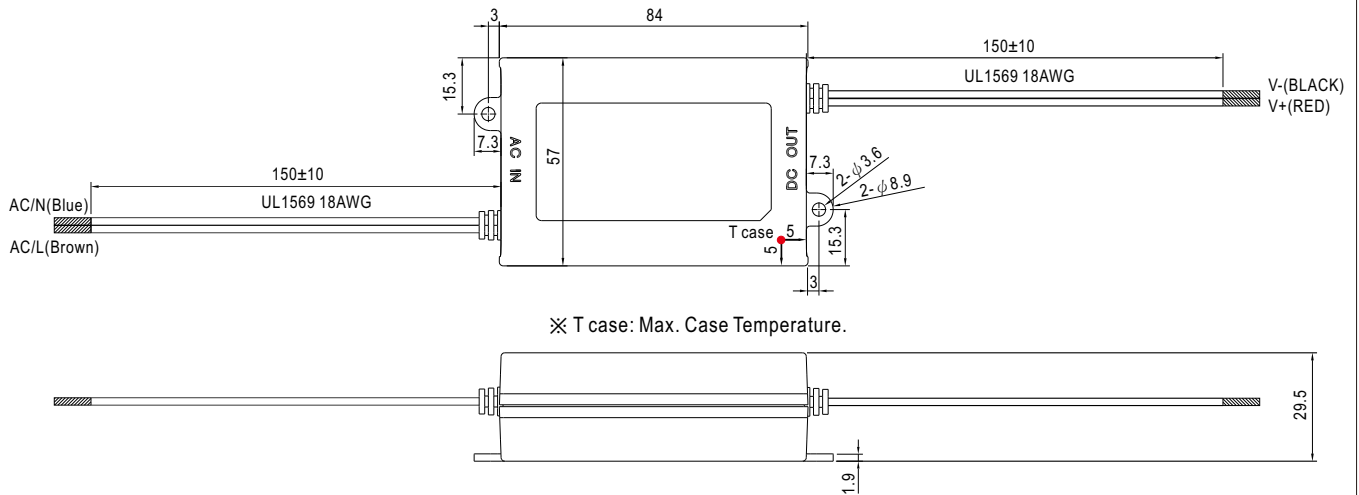
MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

SPECIFICATION		EAC IS 15885(Part 2/Sec13) R-41027766		UL (only for APC-25-500)		cULus (only for APC-25-700&1050)		IP42 LPS (except for APC-25-350)		CE UK CA		
MODEL		APC-25-350	APC-25-500	APC-25-700	APC-25-1050							
OUTPUT	RATED CURRENT	350mA	500mA	700mA	1050mA							
	DC VOLTAGE RANGE	25~70V	15~50V	11~36V	9~24V							
	RATED POWER	24.5W	25.2W	25.2W	25.2W							
	RIPPLE & NOISE (max.) Note.2	300mVp-p	300mVp-p	300mVp-p	300mVp-p							
	VOLTAGE TOLERANCE Note.3	±5.0%										
	CURRENT ACCURACY	±8.0%										
	LINE REGULATION	±1.0%										
	LOAD REGULATION	±3.0%										
	SETUP, RISE TIME	1500ms, 30ms / 230VAC	1500ms, 30ms / 115VAC	at full load								
HOLD UP TIME (Typ.)	20ms/230VAC	12ms/115VAC	at full load									
INPUT	VOLTAGE RANGE Note.4	90 ~ 264VAC	127 ~ 370VDC									
	FREQUENCY RANGE	47 ~ 63Hz										
	EFFICIENCY(Typ.)	83%	83%	83%	83%							
	AC CURRENT	0.4A/230VAC;0.8A/115VAC										
	INRUSH CURRENT(Typ.)	COLD START 45A(twidth=310µs measured at 50% Ipeak) at 230VAC										
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	9 units (circuit breaker of type B) / 15 units (circuit breaker of type C) at 230VAC										
LEAKAGE CURRENT	0.25mA / 240VAC											
PROTECTION	OVER VOLTAGE	76 ~ 94V	55 ~ 68V	41 ~ 49V	27 ~ 35V	Protection type : Shut down o/p voltage, re-power on to recover						
	WORKING TEMP.	-30 ~ 70°C (Refer to "Derating Curve")										
ENVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-condensing										
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH										
	TEMP. COEFFICIENT	±0.2%/°C (0 ~ 50°C)										
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes										
SAFETY & EMC (Note 5)	SAFETY STANDARDS	UL8750 (except for APC-25-350), CSA-C22.2 No. 250.0-13 (only for APC-25-700&1050), BIS IS15885, EAC TP TC 004, IP42, BS EN/EN 62368-1 approved										
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC										
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH										
	EMC EMISSION	Compliance to BS EN/EN55032, BS EN/EN61000-3-2 Class A, BS EN/EN61000-3-3, EAC TP TC 020										
OTHERS	EMC IMMUNITY	Compliance to BS EN/EN55035, BS EN/EN61000-4-2,3,4,5,6,8,11; light industry level(surge 2KV), EAC TP TC 020										
	MTBF	4955.9K hrs min. Telcordia SR-332 (Bellcore); 504.9K hrs min. MIL-HDBK-217F (25°C)										
	DIMENSION	84*57*29.5(L*W*H)										
NOTE	PACKING	0.13Kg; 72pcs/10.4Kg/0.92CUFT										
	NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. Derating may be needed under low input voltage. Please check the static characteristic for more details.</p> <p>5. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.</p> <p>6. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).</p> <p>7. For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/LED_EN.pdf</p> <p>8. This product is not intended for LED lighting luminaire applications in the EU.(In the EU the LPF/NPF/XLG series are recommended.)</p> <p>※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx</p>										



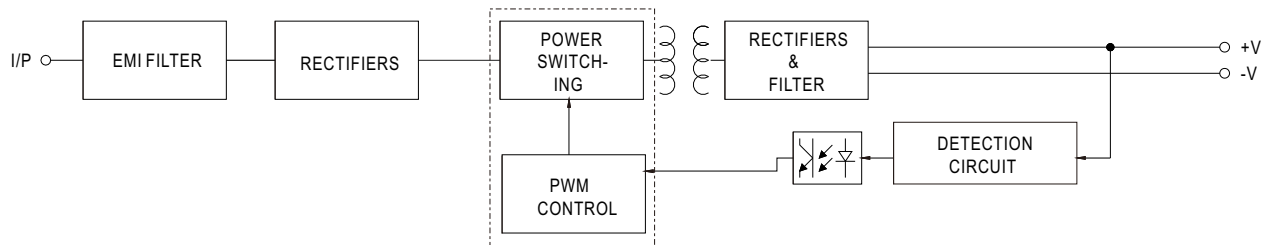
Mechanical Specification

Case No.PCD16A Unit:mm

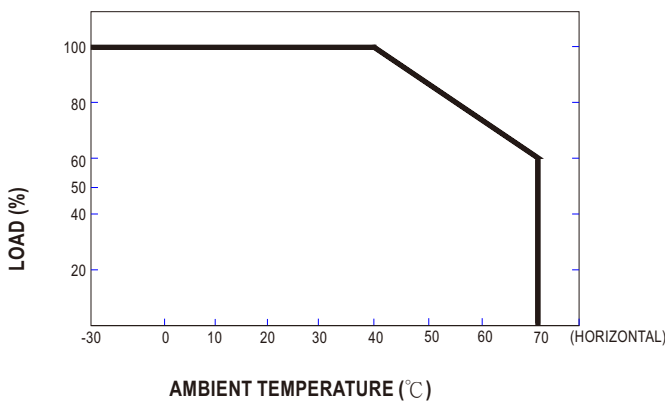


Block Diagram

fosc : 60KHz



Derating Curve



Static Characteristics

