

KEY FEATURES

- Din Rail Switching Power Supply
- Universal Input Range 90-264VAC, 47-440 Hz
- Regulated Output
- Low Ripple and Noise
- High Efficiency
- CE, cUL, TUV Approval
- 2-Years Product Warranty



ELECTRICAL SPECIFICATIONS

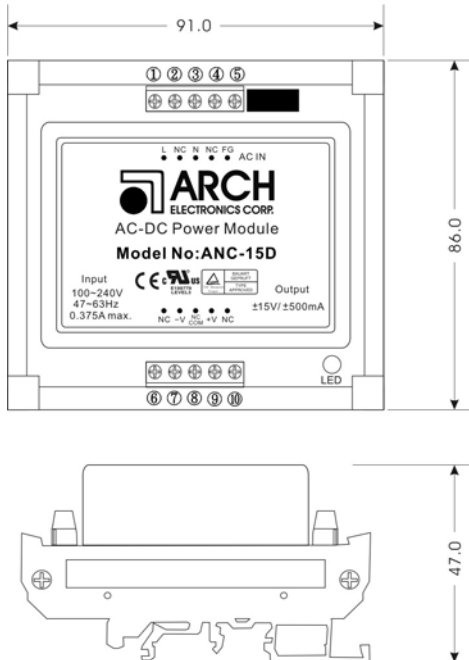
Model No. (Single Output)		ANC-5S-DN	ANC-12S-DN	ANC-15S-DN	ANC-24S-DN
Max Output Wattage (W)		15W	15W	15W	15W
Input	Voltage	90-264 VAC or 120-370 VDC			
	Frequency (Hz)	47-440 Hz			
	Current (Full load)	280 mA max. (115 VAC) / 170 mA max. (230 VAC)			
	Inrush Current (<2ms)	10 A max. (115 VAC) / 20 A max. (230 VAC)			
	Leakage Current	0.75 mA max.			
Output	Voltage (V.DC.)	5V	12V	15V	24V
	Voltage Accuracy	±2%			
	Current (mA) max	3000	1250	1000	625
	Line Regulation (LL-HL) (typ.)	±0.5%			
	Load Regulation (5-100%) (typ.)	±0.5%			
	Minimum Load	0%			
	Maximum Capacitive Load	470-23,000µF depending on model			
	Ripple	<0.2% Vout +40mV max (Vp-p)			
	Noise	<0.5% Vout +50mV max (Vp-p)			
	Efficiency	70%	72%	72%	74%
	Hold-up Time	15 ms min.			
	Switching Frequency	100 kHz			
Protection	Over Power Protection	Hiccup technique, auto-recovery			
	Over Voltage Protection	Zener diode clamp			
	Short Circuit Protection	Hiccup mode, indefinite (automatic recovery)			
Isolation	Input-Output (V.AC)	3000V			
	Input-FG (V.AC)	1500V			
	Output-FG (V.AC)	500V			
Environment	Operating Temperature	-25°C...+70°C (with derating)			
	Storage Temperature	-40°C...+85°C			
	Temperature Coefficient	±0.02%/°C			
	Humidity	95% RH			
	MTBF	>200,000 h @ 25°C (MIL-HDBK-217F)			
Physical	Dimension (L x W x H)	3.58 x 3.39 x 1.85 Inches (91.0 x 86.0 x 47.0 mm) Tolerance ±0.5 mm			
	Case Material	Plastic resin with Fiberglass (flammability to UL 94V-2)			
	Weight	200 g			
	Cooling Method	Free air convection			
Safety	Agency Approvals	UL/cUL, CE, TUV			
EMC	EMI (Conducted & Radiated Emission)	EN 55022 class B			
	EMS (Noise Immunity)	EN 55024			

All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

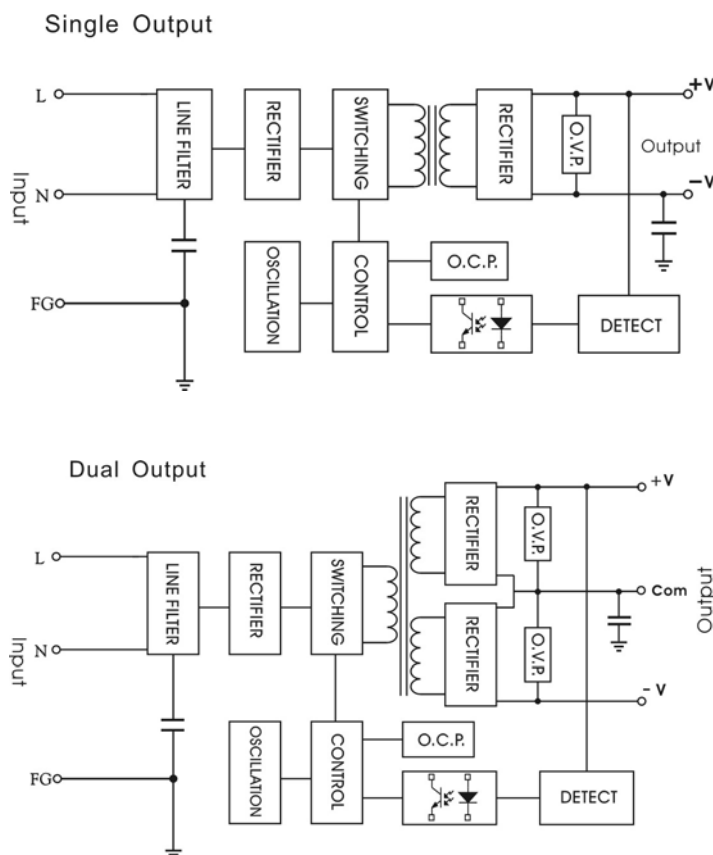
ANC DN SERIES
15 Watts
ELECTRICAL SPECIFICATIONS

Model No. (Dual, Triple Output)		ANC-5D-DN		ANC-12D-DN	ANC-15D-DN	ANC-5S12D-DN		ANC-5S15D-DN			
Max Output Wattage (W)		15W		15.6W	15W	14.8W		14.5W			
Input	Voltage	90-264 VAC or 120-370 VDC									
	Frequency (Hz)	47-440 Hz									
	Current (Full load)	280 mA max. (115 VAC) / 170 mA max. (230 VAC)									
	Inrush Current (<2ms)	10 A max. (115 VAC) /20 A max. (230 VAC)									
	Leakage Current	0.75 mA max.									
Output	Voltage (V.DC.)	±5V	±12V		±15V		5/±12		5/±15		
	Voltage Accuracy	±5%					±2%				
	Current (mA) max	±1500	±650		±500		2000/±200		2000/±150		
	Line Regulation (LL-HL) (typ.)	±0.5%					±1% / ±5%				
	Load Regulation (5-100%) (typ.)	±3%					±2% / ±5%				
	Minimum Load	0%					5V 10% (200 mA)				
	Maximum Capacitive Load	470-23,000µF depending on model									
	Ripple	<0.2% Vout +40mV max (Vp-p)									
	Noise	<0.5% Vout +50mV max (Vp-p)									
	Efficiency	71%	76%		65%		68%		68%		
	Hold-up Time	15 ms min.									
	Switching Frequency	100 kHz									
Protection	Over Power Protection	Hiccup technique, auto-recovery									
	Over Voltage Protection	Zener diode clamp									
	Short Circuit Protection	Hiccup mode, indefinite (automatic recovery)									
Isolation	Input-Output (V.AC)	3000V									
	Input-FG (V.AC)	1500V									
	Output-FG (V.AC)	500V									
Environment	Operating Temperature	-25°C...+70°C (with derating)									
	Storage Temperature	-40°C...+85°C									
	Temperature Coefficient	±0.02%/°C									
	Humidity	95% RH									
	MTBF	>200,000 h @ 25°C (MIL-HDBK-217F)									
Physical	Dimension (L x W x H)	3.58 x 3.39 x 1.85 Inches (91.0 x 86.0 x 47.0 mm) Tolerance ±0.5 mm									
	Case Material	Plastic resin with Fiberglass (flammability to UL 94V-2)									
	Weight	200 g									
	Cooling Method	Free air convection									
Safety	Agency Approvals	UL/cUL, CE, TUV									
EMC	EMI (Conducted & Radiated Emission)	EN 55022 class B									
	EMS (Noise Immunity)	EN 55024									

All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

MECHANICAL DIMENSION (Top View)


PIN#	SINGLE	Dual	Triple
1	AC IN (L)	AC IN (L)	AC IN (L)
2	DO NOT CONNECT	DO NOT CONNECT	DO NOT CONNECT
3	AC IN (N)	AC IN (N)	AC IN (N)
4	DO NOT CONNECT	DO NOT CONNECT	DO NOT CONNECT
5	FG	FG	FG
6	DO NOT CONNECT	DO NOT CONNECT	-DC OUT
7	-DC OUT	-DC OUT	COMMON
8	DO NOT CONNECT	COMMON	+DC OUT
9	+DC OUT	+DC OUT	+5V RTN
10	DO NOT CONNECT	DO NOT CONNECT	+5V OUT

BLOCK DIAGRAM

DERATING
