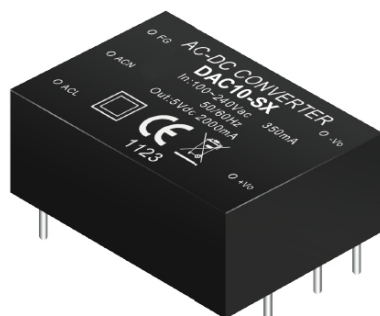


DAC10- Series 10 Watt AC/DC Power Supply



Available in Wide range of output VDC
 Isolated output 3000VAC
 Internal Input Filter
 Up to 82% Efficiency
 Encapsulated compact size 2" X1"
 EN60950-1, CE recognized
 ITE & AC Motor Applications
 3 year Warranty



		UNIT		
INPUT	Voltage/Freq	V	Universal Input voltage AC 90V ~ 264V 47 ~ 63Hz	
	Current Typ. 110V 220V	A		
	Min. Load	-	0%	
	Inrush Current	A	115V 12A (Ta=25°C, Io=100% at cold Start); 230V 20A (Ta=25°C, Io=100% at cold Start)	
	Operating Frequency	KHz	65	

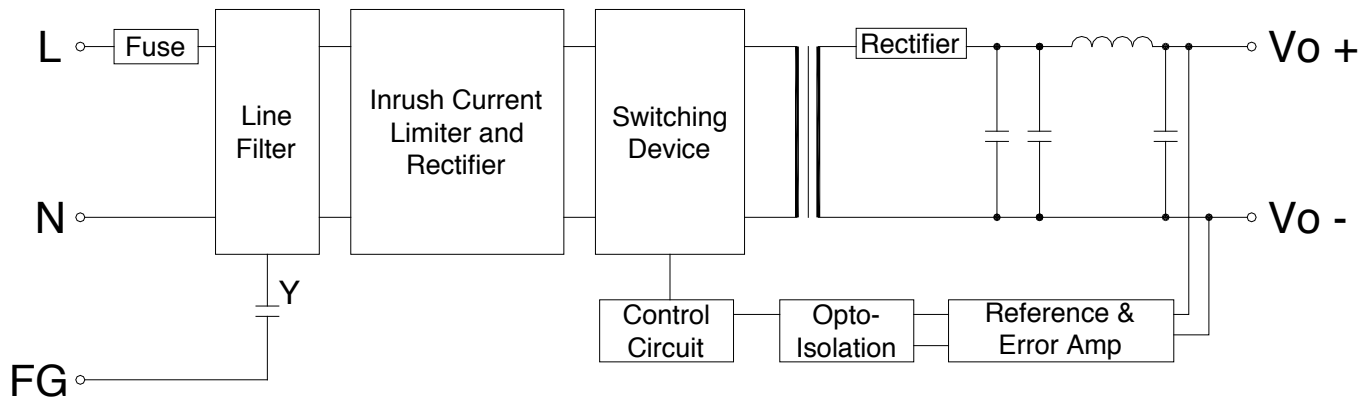
		UNIT	DAC10-3.3	DAC10-5	DAC10-12	DAC10-15
OUTPUT	Nominal Voltage	VDC	3.3	5	12	15
	Efficiency typ	%	74	76	80	80
	Current	A	3.00	2.00	1.00	0.8
	Transient Recovery time	us	Vi nom, Io nom = 0.5 Io nom Typ. 1000us			
	Line Regulation	%	+/-1%	+/-1%	+/-1%	+/-1%
	Load Regulation	%	+/-2%	+/-2%	+/-2%	+/-2%
	Ripple Noise 20MHz BW full load	mVp-p	100	100	150	150
	Voltage Accuracy	%	+/-3	+/-3	+/-2	+/-2
	Over Load Protection		Auto Recovery Above 110% rated output power			
	Short Circuit Protection		CONT. Auto Recovery			

		UNIT	DAC10-24	DAC10-48		
OUTPUT	Nominal Voltage	VDC	24	48		
	Efficiency typ	%	80	82		
	Current	A	0.5	0.25		
	Transient Recovery time	us	Vi nom, Io nom = $\longleftrightarrow$ 0.5 Io nom Typ. 1000us			
	Line Regulation	%	+/-1%	+/-1%		
	Load Regulation	%	+/-2%	+/-2%		
	Ripple Noise 20MHz BW full load	mVp-p	240	240		
	Voltage Accuracy	%	+/-2	+/-2		
	Over Load Protection		Auto Recovery Above 110% rated output power			
	Short Circuit Protection		CONT. Auto Recovery			

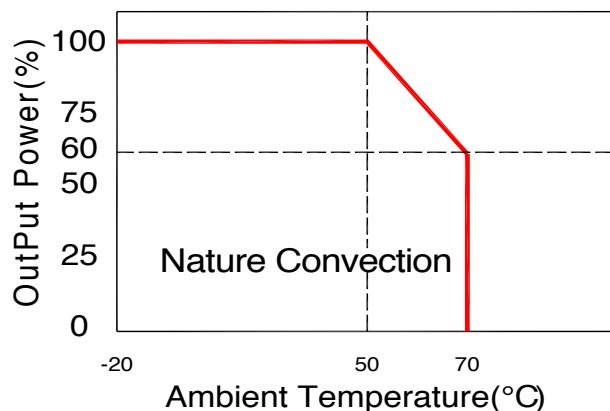
	Switching Frequency	Vi nom, Io nom	65KHz
Isolation	Isolation Voltage	Input / Output 3KVac/ 5mA/5Secs	
	Isolation Resistance	Input / Output, @500 Vdc 100MΩ	
Environment	Operating Temp/Hum.	-20~ +70°C	
	Storage Temp/Hum.	-40 ~ +85°C HUMIDITY 95% 5RH%	
	Derating	Vi nom, Io nom+51 to 71°C 2 %/°C	
Safety	UL/CE EMI Conduction & Radiation	EN60950-1 Compliance to EN55022	
	EMS Immunity	Compliance to EN55024	
Size	MM	L63.50x W44.45 x H19.05mm L2.5x W1.75 x H0.75 inches	

BLOCK DIAGRAM

Single Output



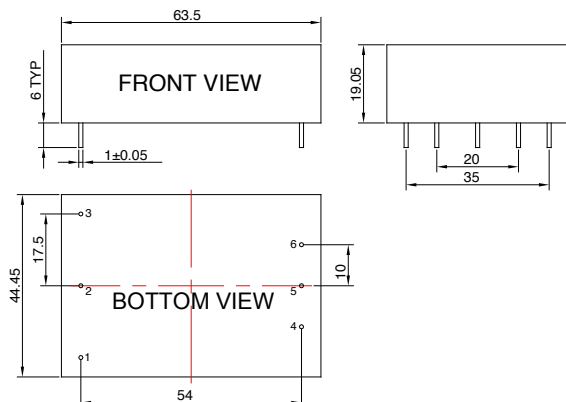
OUTPUT DERATING CURVE AND RECCOMENDED MOUNTING DIAGRAM



Terminal Output

PIN	Model		
	Single	Dual	Dual
1	FG	FG	FG
2	ACN	ACN	ACN
3	ACL	ACL	ACL
4	-Vo	-Vo	+Vo2
5	NO PIN	COM	COM
6	+Vo	+Vo	+Vo1

DIMENSIONAL DRAWING (mm)



Unit: mm Unless otherwise specified, all tolerances are ± 0.5

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ETA-USA:](#)

[DAC10-21FWX](#) [DAC10-26FWX](#) [DAC10-48](#) [DAC10-24](#) [DAC10-12](#) [DAC10-25FWX](#) [DAC10-20FWX](#) [DAC10-3.3](#)
[DAC10-5](#) [DAC10-15](#) [DAC10-22FWX](#) [DAC10-24FWX](#) [DAC10-23FWX](#)