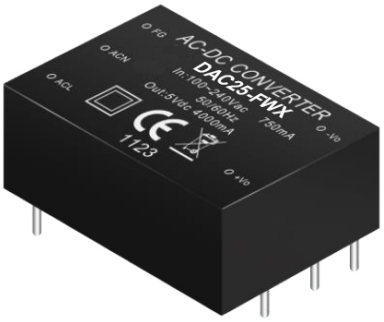
DAC25-SX Series 25 Watt AC/DC Power Supply



Available in Wide range of output VDC
Isolated output 3000VAC
Internal Input Filter
Up to 85% Efficiency
Encapsulated compact size 3" X2"
Meet RU, EN62368-1,
CE recognized
ITE & AC Motor Applications
3 year Warranty

RoHS

		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□ , Io=100% at cold Start); 230V 20A (Ta=25□ , Io=100% at cold Start)
	Operating Frequency	KHz	65

		UNIT	DAC25-3.3	DAC25-5	DAC25-6	DAC25-7
OUTPUT	**Nominal Voltage**	VDC	3.3	5	6	7
	Efficiency typ	%	75	75	78	78
	Current	A	4.24	4.00	4.00	3.00
	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	150	150	150	150
	Voltage Accuracy	%	3	3	3	3
	Over Load Protection -		Auto Recovery			
	Short Circuit Protection -		CONT. Auto Recovery			

		UNIT	DAC25-8	DAC25-9	DAC25-10	DAC25-12
OUTPUT	Nominal Voltage	VDC	8	9	10	12
	Efficiency typ	%	78	78	78	80
	Current	A	3	2.5	2.5	2.1
	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	150	150	150	150
	Voltage Accuracy	%	3	3	2	2
	Over Load Protection -		Auto Recovery			
	Short Circuit Protection -		CONT. Auto Recovery			

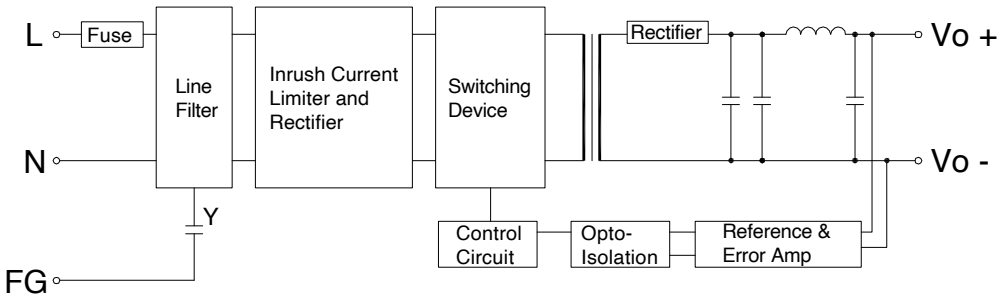
		UNIT	DAC25-13	DAC25-14	DAC25-15	DAC25-16
OUTPUT	Nominal Voltage	VDC	13	14	15	16
	Efficiency typ	%	80	80	82	82
	Current	A	1.92	1.78	1.665	1.56
	Transient Recovery time	us	Vi nom, Io nom = 0.5 Io nom Typ. 1000us			
	Line Regulation	%	+/-1%	+/-1%	+/-1%	+/-1%
	Load Regulation	%	+/-2%	+/-2%	+/-2%	+/-2%
	Ripple Noise 20MHz BW full load	mVp-p	150	150	200	200
	Voltage Accuracy	%	2	2	2	2
	Over Load Protection -		Auto Recovery			
	Short Circuit Protection -		CONT. Auto Recovery			

			DAC25-18	DAC25-24	DAC25-27	DAC25-36	DAC25-48
OUTPUT	Nominal Voltage	VDC	18	24	27	36	48
	Efficiency typ	%	82	85	85	85	85
	Current	A	1.385	1.04	0.928	0.695	0.52
	Transient Recovery time	us	Vi nom, Io nom = ⊠⊠0.5 Io nom Typ. 1000us				
	Line Regulation	%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%
	Load Regulation	%	+/-2%	+/-2%	+/-2%	+/-2%	+/-2%
	Ripple Noise 20MHz BW full load	mVp-p	200	240	240	240	240
	Voltage Accuracy	%	2	2	2	2	2
	Over Load Protection -		Auto Recovery				
	Short Circuit Protection -		CONT. Auto Recovery				

Isolation	Isolation Voltage	Input / Output 3KVac/ 5mA/5Secs
	Isolation Capacltance	
	Isolation Resistance	Input / Output, @500 Vdc 100MΩ
Environment	Operating Temp/Hum.	-20~ +75⊠
	Storage Temp/Hum.	-40 ~ +85⊠ HUMIDITY 95% 5RH%
	Derating	Vi nom, Io nom+51 to 71°C2 %/°C
Safety	CE EMI Conduction& Radiation	Compliance to EN55032
	EMS Immunity	Compliance to EN55024
Size	MM	76.2 X 50.8 X 25.4 (mm) 3" X 2" X 1" 112 grams

BLOCK DIAGRAM

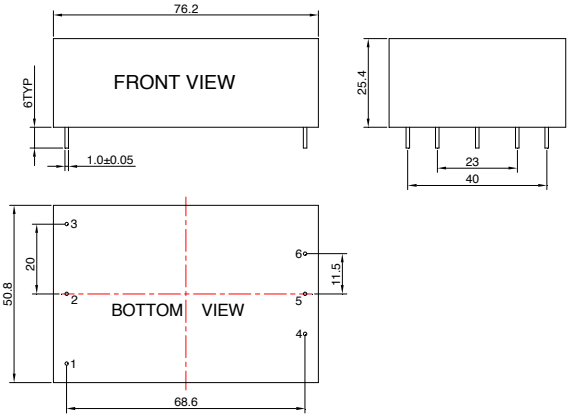
Single Output



Terminal Output

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

DIMENSIONAL DRAWING (mm)



Unit: mm Unless otherwise specified, all tolerances are ±0.50

OUTPUT DERATING CURVE AND RECCOMENDED MOUNTING DIAGRAM

