

Features

- Efficiency up to 80%
- 2500VAC Isolation
- Single/Double output
- short circuit protection
- Universal Input :85 ~ 264VAC,50/60Hz
- Wide temperature -25 ~ to 70 ~
- Power modules for PCB mounting design
- Plastic case



Model Selection Guide

Order Code	Input		Output		Recommend capacitive(uF)	Efficiency(%) (Typ)
	AC(V)	DC(V)	Vo(V)	Io(mA)		
AD5-S03	85-264	120-370	3.3	1000	330	75
AD5-S05			5	1000	330	75
AD5-S09			9	556	220	78
AD5-S12			12	417	220	78
AD5-S15			15	333	220	80
AD5-S24			24	208	100	81
AD5-D05			±5	±500	220/220	75
AD5-D12			±12	±208	100/100	78
AD5-D15			±15	±167	100/100	79
AD5-D05-05			5/5	800/200	330/100	73
AD5-D05-12			5/12	800/100	330/100	73
AD5-D05-24			5/24	600/100	220/100	75

Input Characteristics

Parameter	Condition	Min	Typ	Max	Units
Input Voltage Range	AC	85	--	264	VAC
	DC	120	--	375	VDC
Input Frequency	AC	47	--	440	Hz

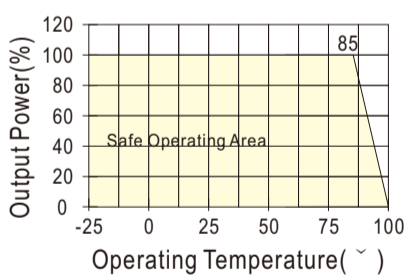
Output Characteristics

Parameter	Condition	Min	Typ	Max	Units
Output Voltage Accuracy		--	1%	--	%
Load regulation	10% ~ 100% load	--	±0.5	±1	%
Line regulation	Vin(Min~Max)	--	±0.5	±1	%
Ripple and noise	20MHz	--	50	100	mVp-p
Switching frequency	Full load,nominal input	--	60	--	KHz
Transient Recovery Time	25% Load Step Change	--	--	500	us
Hold-up time		--	50	--	ms
Short circuit Protection		Continuous, Automatic Recovery			

General Characteristics

Parameter	Condition	Min	Typ	Max	Units
Operating Temperature	Case	-25	--	+85	~
Storage		-40	--	+105	~
Storage humidity		--	--	+95	%
Cooling	Free air convection	--	--	--	
Isolation voltage	Input-Output 1mA ~ 1minute	--	2500	--	VAC
Isolation resistance	500VDC	--	500	--	M _i
MTBF	2 ~ 10 ⁵				K hours
Case material		Platic			

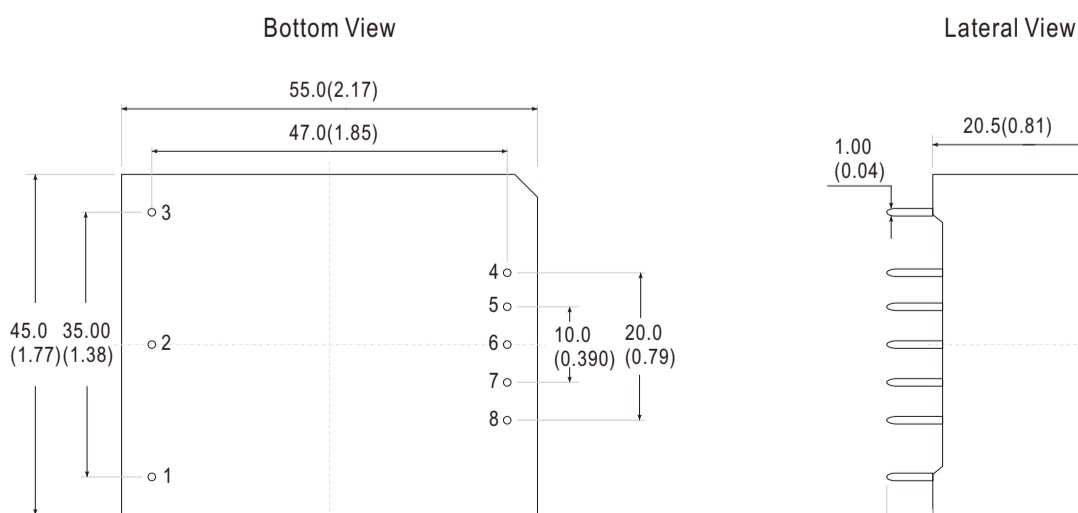
Temperature Derating Graph Curve



Note

- 1.All the specifications typical at Ta=+25~ resistive load, nominal input voltage and rated output current unless otherwise noted.
- 2.Operation under no-load conditions will not damage these modules; however they may not meet all specifications listed.
- 3.Ripple & Noise measurement bandwidth is 0-20MHz.
- 3.Other input and output voltage may be available, please
- 4.All AC/DC converters should be externally fused at the front end for protection.
- 5.Specifications subject to change without notice

Mechanical Dimension & Pin Connections



Pin	1	2	3	4	5	6	7	8
Single	NC	N	L	+Vo	NP	NP	NP	-Vo
Dual	NC	N	L	+Vo	NP	COM	NP	-Vo
Dual Island	NC	N	L	+Vo2	-Vo2	NP	+Vo1	-Vo1

Note:
Unit:mm(inch)