

Features

- Efficiency up to 76%
- 3000VAC Isolation
- Single/Double output
- short circuit protection
- Universal Input :85 ~ 264VAC,47 ~ 440Hz
- Wide temperature -25 to 70
- Power modules for PCB mounting design
- Plastic case ("M" for Metal)



Model Selection Guide

Order Code	Input		Output		Recommend capacitive(uF)	Efficiency(%) (Typ)
	AC(V)	DC(V)	Vo(V)	Io(mA)		
ADM3-S03(M)	85-264	120-370	3.3	909	330	70
ADM3-S05(M)			5	600	330	72
ADM3-S09(M)			9	333	220	75
ADM3-S12(M)			12	250	220	78
ADM3-S15(M)			15	200	220	78
ADM3-S24(M)			24	125	100	78
ADM3-D05(M)			±5	±300	220/220	74
ADM3-D12(M)			±12	±125	100/100	78
ADM3-D15(M)			±15	±100	100/100	78

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

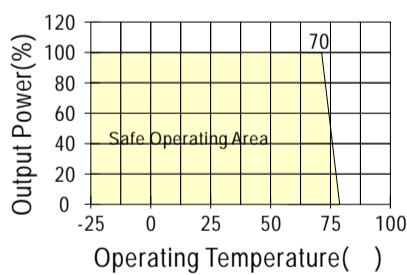
Output Characteristics

Parameter	Condition	Min	Typ	Max	Units
Output Voltage Accuracy	+Vo	--	1	--	%
	-Vo	--	3	--	%
Load regulation	10% ~ 100% load	--	±0.5	±1	%
Line regulation	Vin(Min~Max)	--	±0.5	±1	%
Ripple and noise	20MHz	--	50	150	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	--	+70	
Storage		-40	--	+105	
Storage humidity		--	--	+95	%
Cooling	Free air convection	--	--	--	
Isolation voltage	Input-Output 1mA 1minute	Plastic	--	3000	VAC
		Metal	--	2500	VAC
Isolation resistance	500VDC	--	500	--	M
MTBF	2 × 10 ⁵				K hours
Case material		Plastic("M" for Metal)			

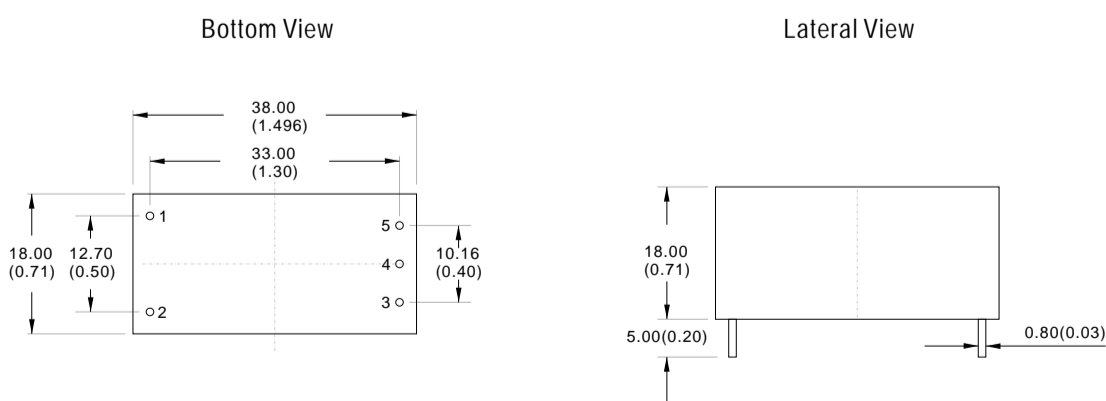
Temperature Derating Graph Curve



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



Note:
Unit:mm(inch)

Pin	1	2	3	4	5
Single	L	N	-Vo	NP	+Vo
Dual	L	N	-Vo	COM	+Vo