

SM/A SERIES 1W TO 2W UNREGULATED



FEATURES

- LOW COST
- UP TO 2W UNREGULATED OUTPUT POWER
- 100% BURN IN
- SMD TECHNOLOGY
- UL 94V-0 PACKAGE MATERIAL
- 2 YEARS WARRANTY



OUTPUT SPECIFICATIONS		INPUT SPECIFICATIONS		GENERAL SPECIFICATIONS	
Voltage Set-point Accuracy	+/-2% max	Input Voltage Range	+/-10% max	Efficiency	71% min
Temperature Coefficient	+/-0.03%/°C	Input Filter	Capacitor Type	Isolation Voltage	1000 VDC min
Ripple & Noise(20MHz BW)	100mVp-p max	ENVIRONMENTAL SPECIFICATIONS		Isolation Resistance	10 ⁹ ohms min
Line Regulation	+/-1.2% max	Operating Temperature	-40°C to +71°C	Isolation Capacitance	80pF max
Load Regulation	+/-8% max	Storage Temperature	-55°C to +125°C	Switching Frequency	100KHz min
Minimum Load	10% of Full Load	Humidity	95% max	MTBF	>2,000,000 Hours
Short Circuit Protection	Momentary	Cooling	Free-Air Convection	Case Material	Non-Conductive Plastic

1W OUTPUT

MODEL NUMBER	INPUT (VDC)	OUTPUT		EFF (%)	PACKAGE
		VOLTAGE (VDC)	CURRENT (mA)		
SMA010-3.3S3.3	3.3	3.3	303	71	A
SMA010-05S05	5	5	200	71	A
SMA010-05S09	5	9	111	78	A
SMA010-05S12	5	12	84	76	A
SMA010-05S15	5	15	67	79	A
SMA010-12S05	12	5	200	74	A
SMA010-12S09	12	9	111	78	A
SMA010-12S12	12	12	84	82	A
SMA010-12S15	12	15	67	82	A
SMA010-24S05	24	5	200	74	A

1.8W OUTPUT

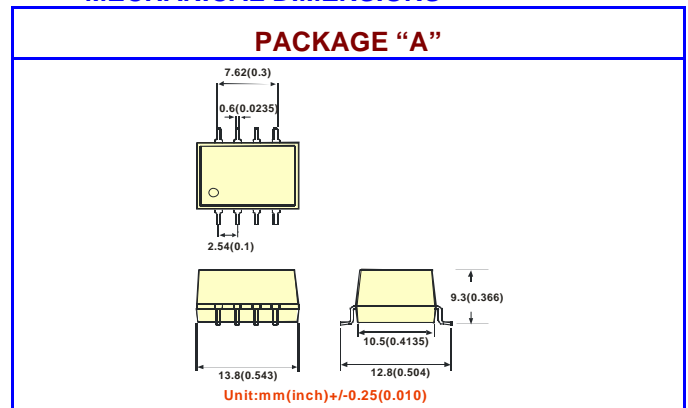
SM018-05S05	5	5	360	72	B
SM018-05S09	5	9	200	75	B
SM018-05S12	5	12	150	77	B
SM018-05S15	5	15	120	77	B
SM018-12S05	12	5	360	73	B
SM018-12S09	12	9	200	76	B
SM018-12S12	12	12	150	78	B
SM018-12S15	12	15	120	78	B

2W OUTPUT

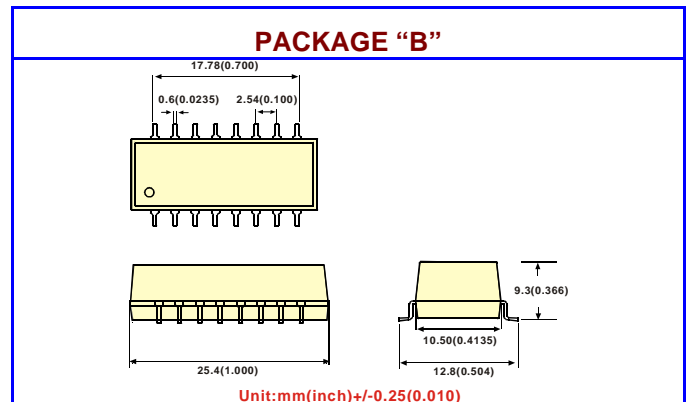
SM020-05S05	5	5	400	77	B
SM020-05S09	5	9	222	79	B
SM020-05S12	5	12	167	80	B
SM020-05S15	5	15	133	82	B
SM020-12S05	12	5	400	78	B
SM020-12S09	12	9	222	78	B
SM020-12S12	12	12	167	83	B
SM020-12S15	12	15	133	85	B
SM020-24S05	24	5	400	78	B

SM020-24S09	24	9	222	78	B
SM020-24S12	24	12	167	80	B
SM020-24S15	24	15	133	80	B

MECHANICAL DIMENSIONS



PIN	1	2	4	5
SINGLE	-Vin	+Vin	-Vout	+Vout



PIN	1	3	7	8
SINGLE	-Vin	+Vin	+Vout	-Vout