

VSW020 SERIES 2W WIDE INPUT RANGE



FEATURES

- SINGLE IN LINE PACKAGE
- UP TO 2W REGULATED OUTPUT POWER
- 100% BURN IN
- UL 94V-0 PACKAGE MATERIAL
- CUSTOM SOLUTION BE AVAILABLE
- 3 YEARS WARRANTY



OUTPUT SPECIFICATIONS		INPUT SPECIFICATIONS		GENERAL SPECIFICATIONS	
Voltage Set-point Accuracy	+/-2% max	Input Voltage Range	2:1or 4:1 Input Range	Efficiency	70% min
Temperature Coefficient	+/-0.05%/°C	Input Filter	Capacitor Type	Isolation Voltage	1500-3000 VDC min
Ripple & Noise(20MHz BW)	100mVp-p max	ENVIRONMENTAL SPECIFICATIONS		Isolation Resistance	10 ⁹ ohms min
Line Regulation	+/-0.5% max	Operating Temperature	-40°C to +71°C	Isolation Capacitance	80pF max
Load Regulation	+/-0.5% max	Storage Temperature	-55°C to +105°C	Switching Frequency	100KHz min
Minimum Load	20% of Full Load	Humidity	95% max	MTBF	>900,000 Hours
Short Circuit Protection	Continuous	Cooling	Free-Air Convection	Case Material	Non-Conductive Plastic
Short Circuit Restart	Automatic	Over Load Protection	150% typ.	Potting Material	Epoxy(UL94V-0)

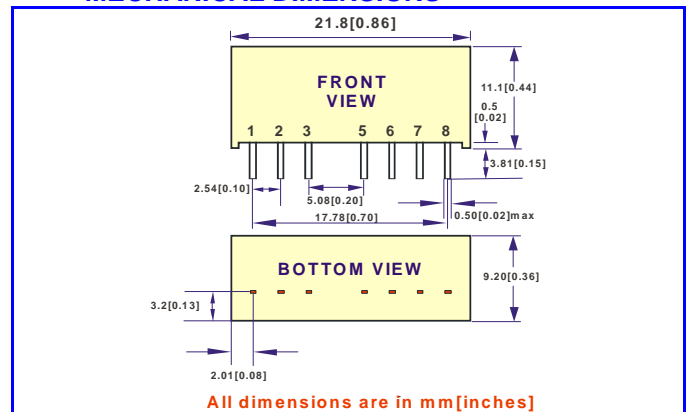
● 2:1 2W OUTPUT

MODEL ¹ NUMBER	INPUT (VDC)	OUTPUT		EFF (%)	ISOLATION (VDC)
		VOLT. (VDC)	CURRENT (mA)		
VSW020-05S05/-3K	4.5-9	5	400	72	1500/3000
VSW018-05S12/-3K	4.5-9	12	150	72	1500/3000
VSW018-05S15/-3K	4.5-9	15	120	72	1500/3000
VSW020-12S05/-3K	9-18	5	400	78	1500/3000
VSW020-12S12/-3K	9-18	12	168	80	1500/3000
VSW020-12S15/-3K	9-18	15	133	80	1500/3000
VSW020-12S24/-3K	9-18	24	83	78	1500/3000
VSW020-12D05	9-18	+/-5	+/-200	74	1500
VSW020-12D12	9-18	+/-12	+/-83	74	1500
VSW020-12D15	9-18	+/-15	+/-67	74	1500
VSW020-24S05/-3K	18-36	5	400	76	1500/3000
VSW020-24S12/-3K	18-36	12	168	80	1500/3000
VSW020-24S15/-3K	18-36	15	133	79	1500/3000
VSW020-24S24/-3K	18-36	24	83	78	1500/3000
VSW020-24D05	18-36	+/-5	+/-200	74	1500
VSW020-24D12	18-36	+/-12	+/-83	74	1500
VSW020-24D15	18-36	+/-15	+/-67	74	1500
VSW020-48S05/-3K	36-75	5	400	74	1500/3000
VSW020-48S12/-3K	36-75	12	168	82	1500/3000
VSW020-48S15/-3K	36-75	15	133	77	1500/3000
VSW020-48S24/-3K	36-75	24	83	77	1500/3000
VSW020-48D05	36-75	+/-5	+/-200	74	1500
VSW020-48D12	36-75	+/-12	+/-83	77	1500
VSW020-48D15	36-75	+/-15	+/-67	77	1500

● 4:1 2W OUTPUT

MODEL NUMBER	INPUT (VDC)	OUTPUT		EFF (%)	ISOLATION (VDC)
		VOLTAGE (VDC)	CURRENT (mA)		
VSW016-412S3.3	9-36	3.3	500	70	1500
VSW020-412S05	9-36	5	400	74	1500
VSW020-412S12	9-36	12	165	78	1500
VSW020-412S15	9-36	15	133	78	1500
VSW020-412S24	9-36	24	83	78	1500
VSW020-412D15	9-36	+/-15	+/-67	76	1500
VSW016-424S3.3	18-75	3.3	500	70	1500
VSW020-424S05	18-75	5	400	74	1500
VSW020-424S12	18-75	12	165	78	1500
VSW020-424S15	18-75	15	133	78	1500
VSW020-424S24	18-75	24	83	78	1500

● MECHANICAL DIMENSIONS



PIN	1	2	3	5	6	7	8
SINGLE	-Vin	+Vin	Remote	NC	+Vout	-Vout	NC
DUAL	-Vin	+Vin	On/Off	NC	+Vout	Com.	-Vout

¹ VSW020-****-3K FOR 3000VDC ISOLATION