



FEATURES

- RoHS compliant
- Efficiency up to 84%
- SIP7 Package
- Wide temperature performance at full
2 Watt load, -40 85
- UL 94V-0 package material
- No heat sink required
- Small Footprint
- Industry standard pin out
- Power sharing on output
- 1KVDC isolation
- Continuous Short Circuit Protection
- Internal SMD construction
- No external components required
- MTTF up to 1.5 million hours

MODEL SELECTION

2B 05 05 X S R

Product Series	Input Voltage
Output Voltage	Fixed Input
SIP7 Package	Rated Power

APPLICATIONS

The 2B_XSR series are specially designed for applications where a group of polar power supplies are isolated from the input power supply in a distributed power supply system on a circuit board.

These products apply to:

- 1) where the voltage of the input power supply
- 2) where isolation is necessary between input
- 3) where the regulation of the output voltage and the output ripple noise are demanded.

SELECTION GUIDE

Order code	Input		Output			Efficiency (% Typ)	Switching Frequency (KHz Typ)
	Voltage(VDC)		Voltage (VDC)	Current(MA)			
	Nominal	Range		Max	Min		
2B0505XSR	5	4.75-5.25	5	400	40	70	100
2B0512XSR	5	4.75-5.25	12	167	17	78	96
2B0515XSR	5	4.75-5.25	15	100	10	75	97
2B1205XSR	12	11.4-12.6	5	400	40	71	55
2B1212XSR	12	11.4-12.6	15	100	10	76	90
2B1215XSR	12	11.4-12.6	15	133	13	76	87
2B1505XSR	15	14.25-15.	5	400	40	71	67
2B2405XSR	24	22.8-25.2	5	400	40	71	67
2B2415XSR	24	22.8-25.2	15	133	13	75	65

OUTPUT SPECIFICATIONS

Parameter	Test conditions	Min	Typ.	Max.	Units
Output power		0.2		2	W
Line regulation	For Vin change of $\pm 5\%$			± 0.25	%
Load regulation	10% to 100% full load			± 1.5	%



CE REACH

TEMPERATURE CHARACTERISTICS					
Parameter	Conditions	Min.	Typ.	Max.	Units
Storage humidity range				95	%
Operating temperature		-40		85	°C
Storage temperature		-55		125	°C
Lead temperature	1.5mm from case for 10 seconds		20	30	°C
Temp.rise at full load				300	°C
Cooling		Free air convection			
Case material		Plastic(UL94-V0)			

Short circuit protection

Continuous