



40 WATT DUAL/TRIPLE OUTPUT

BRS40 AC-DC OPEN FRAME CONVERTER

Universal Input: 90-264Vac

Efficiency at 75% Typical

2" x 4" Footprint

Conductive EMI meets CISPR/FCC Class B

SPECIFICATIONS (Input Characteristics)

Voltage Range.....90-264Vac; 120-370Vac

Frequency.....47-440Hz

Inrush Current.....50A max.@ 264Vac

Input Current.....1A max.@ 115Vac

Conducted EMI.....CISPR/FCC Class B

Isolation (Input to Output).....4242Vdc

Leakage Current.....0.5mA max

(Output Characteristics)

Hold-up Time.....20mS typ.@115Vac

Short Circuit/Over Load Protection: On all Outputs
(Auto Recovery)

Over Voltage Protection...3.6-4.6V/5.7-6.7V on V1
(3.3V/5V):120%-140% on V2, 12V/15V/24V

Operating Temperature.....-0C-50C

Storage Temperature.....-20C-85C

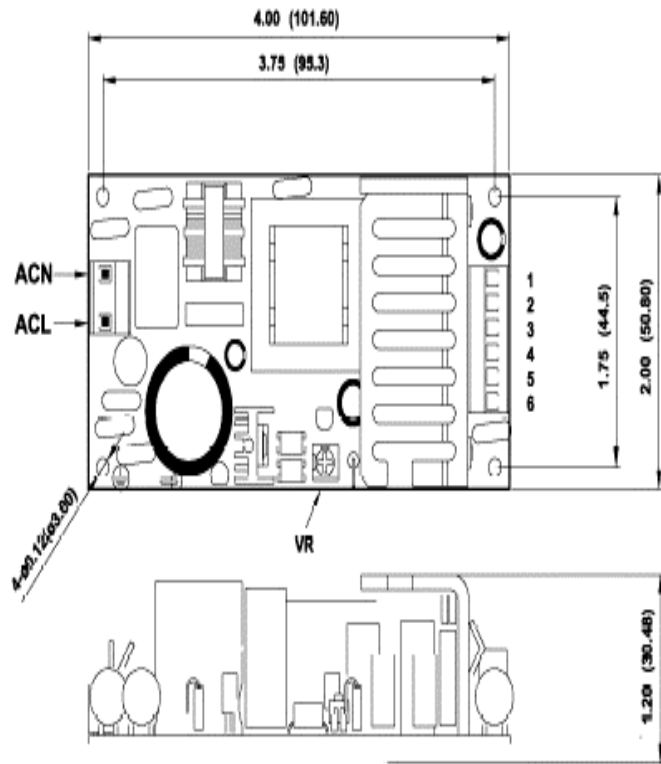
Adjustment Range.....+/-10%

Part Number	Output Voltage	Output Current (A)			Ripple & Noise	Voltage Accuracy	Line Reg.	Load Reg.	O/P Power	Eff.Typ.
		MIN	RATED	MAX						
BRS40-UD0512R	5V (V1)	0.4	3.2	5.0	50	+/-3%	+/-1%	+/-3%	40.0W	77%
	12V(V2)	0.2	2.0	2.5	120	+/-4%	+/-2%	+/-5%	40.0W	77%
BRS40-UD0524R	5V (V1)	0.4	3.2	5.0	50	+/-3%	+/-1%	+/-3%	40.0W	78%
	24V (V2)	0.2	1.0	1.5	240	+/-4%	+/-2%	+/-5%	40.0W	78%
BRS40-UD05S12R	5V (V1)	0.4	3.0	5.0	50	+/-3%	+/-1%	+/-3%	40.5W	75%
	12V (V2)	0.2	2.0	2.5	N/A	+/-4%	+/-2%	+/-5%	40.5W	75%
	-5V (V3)	0	0.3	0.5	N/A	+/-3%	+/-1%	+/-1%	40.5W	75%
BRS40-US05D12R	5V(V1)	0.4	3.0	5.0	N/A	+/-3%	+/-1%	+/-3%	42.6W	75%
	12V (V2)	0.2	2.0	2.5	N/A	+/-4%	+/-2%	+/-5%	42.6W	75%
	-12V(V3)	0	0.3	0.5	N/A	+/-3%	+/-1%	+/-1%	42.6W	75%
BRS40-UD15S05R	5V(V1)	0.4	3.0	5.0	N/A	+/-3%	+/-1%	+/-3%	42.0W	75%
	15V (V2)	0.2	1.5	2.3	N/A	+/-4%	+/-2%	+/-5%	42.0W	75%
	-15V(V3)	0	0.3	0.5	N/A	+/-3%	+/-1%	+/-1%	42.0W	75%
BRS40-U052412R	5V(V1)	0.4	3.0	5.0	N/A	+/-3%	+/-1%	+/-3%	42.6W	75%
	24V (V2)	0.2	1.0	1.5	N/A	+/-4%	+/-2%	+/-5%	42.6W	75%
	-12V(V3)	0	0.3	0.5	N/A	+/-3%	+/-1%	+/-1%	42.6W	75%
BRS40-UD05S24R	5V(V1)	0.4	3.0	5.0	N/A	+/-3%	+/-1%	+/-3%	40.5W	75%
	24V (V2)	0.2	1.0	1.5	N/A	+/-4%	+/-2%	+/-5%	40.5W	75%
	-5V(V3)	0	0.3	0.5	N/A	+/-3%	+/-1%	+/-1%	40.5W	75%
BRS40-U052412R	5V(V1)	0.4	3.0	5.0	N/A	+/-3%	+/-1%	+/-3%	42.6W	75%
	24V (V2)	0.2	1.0	1.5	N/A	+/-4%	+/-2%	+/-5%	42.6W	75%
	-12V(V3)	0	0.3	0.5	N/A	+/-3%	+/-1%	+/-1%	42.6W	75%
BRS40-U030512R	3.3V(V1)	0.4	5.0	7.0	N/A	+/-3%	+/-1%	+/-3%	30.0W	70%
	5V (V2)	0.2	2.0	3.5	N/A	+/-4%	+/-2%	+/-5%	30.0W	70%
	-12V(V3)	0	0.3	0.5	N/A	+/-3%	+/-1%	+/-1%	30.0W	70%

MARKINGS AND DIMENSIONS RECOMMENDED TEST CIRCUIT

PIN CONNECTION

Pin No.	Single/Output
1	V2
2	V1
3	V1
4	COM
5	COM
6	V3



Dimensions: inches/mm

Unless otherwise specified, all tolerances are +/- .005/+/-