

10 WATT AC-DC CONVERTER

BJS-FWA Series DUAL CHANNEL

Specifications <ac dc=""></ac>	Model								
BJS**FWA-U 10WATTS/2OUTPUTS	BJS22FWA-U	BJS23FWA-U	BJS24FWA-U	BJS24FWA-B-U					
Input Characteristic									
Input Voltage	AC100-115V								
Input Current	0.3A								
Input Range	AC85-132V								
Input Frequency	50/60Hz								
Input Frequency Range	47-440Hz								
Phase	Single								
Inrush Current *1	20A(maximum) at AC100V								
Efficiency [%] (typical) *2	77	78	73	74					



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Output	ı				ı	T					
Output Voltage [V]	12	12	15	15	5	12	12	5			
Output Current [A]	0.6	0.3	0.4	0.3	1.2	0.3	0.7	0.3			
Voltage Adjust Range	not available										
Voltage Tolerance [mVp-p](typical)	+/-0.12	11.28-11/48	+/-0.15	14.1-15.6	+/-0.1	11.28-12.48	+/-0.12	4.7-5.2			
Ripple and Noise [mVp-p](maximum) *3	220	220	250	250	150	220	220	150			
Regulation		1									
a.Statistic Line Regulation [mV](maximum)	96		120		40		96				
b.Statistic Load Regulation [mV](maximum)	108		135		45		108				
c.Temperature Coefficient *4					%/°C						
d.Drift[mV](maximum) *5	75		90		40		75				
e.Dynamic Load Regulation [mV](typical) *6	+/	-360	+/	-450		+/-150 +/-360					
f.Recovery Time *6	20mS(typical)										
Rise up time	200mS(maximum) at 25°Cand rated input/output										
Hold up time	20mS(typical) at 25°Cand rated input/output										
Functions											
Overcurrent Protection ≥ 10%											
of Rated Output Current[A]	V1=Current Limiting with automatic recovery										
Overvoltage Protection ≧15%			vi cui	One Emiling W	tir datornatio	7,000,00					
of Rated Output Voltage[V]											
	zener diode clamping										
Remote Sense	not available										
Remote On/Off	not available										
Power Fail Detection	not available										
Parallel/series Operation	not available										
Environmental											
Operating Temperature	-10 to +71°¢-10 to 50°Cat full load condition)										
Operating Humidity	20 to 90%RH(non-condensing)										
Storage Temperature	-20 to +85°C										
Storage Humidity	10 to 85%RH(non-condensing)										
Withstanding Voltage	Primary-Secondary AC1,500V for 1minute										
	Primary-Frame Ground AC1,500V for 1minute										
	Secondary-Frame Ground AC500V for 1minute										
Isolation Resistance	Primary-Secondary-Frame Ground 50MΩ(minimum) by DC500V insulation tester										
Vibration	5-10Hz:10mm double amplitude,10-55Hz:19.6m/s ² ,20minutes' period for 60minutes each along X,Y,Z axes(non-operating)										
Shock	196m/s²										
Cooling			FF. 3.71	Conve		001/:					
Leakage Current				ical) at 25°Ç50l		•					
Line Conducted Noise	Built to meet FCC Part15-B Class B Built to meet VCCI Class B										
Safety	UL: UL1950 C-UL: CSA C22.2 No.950										
Weight (typical)	35g										
MTBF [H]	1,200,000										
Switching Frequency[kHz](typical)	110kHz at rated input/output 90 to 600kHz at input voltage of AC85 to 132V with a load of 0 to 100%										
Conditions:		90 to 600	KHZ at input	voltage of AC8	35 to 132V v	vith a load of 0 to	100%				

Conditions:

- *1at cold start
- *2 measured by a bayonet probe at the end of a pair of 5cm long wires terminated with a 100uF electrolytic capacitor and 0.1uF film capacitor in parallel at a 0 to 100MHz bandwidth
- *3 when output current changed from 0mA to rated output current
- *4 at -10 to +40°C
- *5 for 7hour period after 1hour warm-up at 25°Cand rated input/output
- *6 when output current changed from 25% to 75% of rated output current rapidly at rated input

