



PRELIMINARY TECHNICAL INFORMATION* Data Sheet No. 911014A

November 1991

Single-Phase Diode Rectifier Bridge

FEATURES:

- Compact Housing
- Easy Chassis Mounting
- UL Registered (E72873M)

APPLICATIONS:

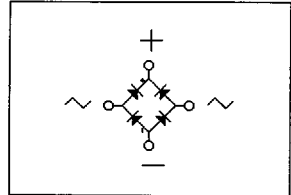
- Power Supplies
- Input Rectifiers for Variable Frequency
- Rectifiers for DC Motor Field Current

VBO06	VBO10
VBO15	VBO24
VBO35	

Part Number	I _{avg}
VBO6-__N02	6A
VBO10-__N02	10A
VBO15-__N02	15A
VBO24-__N02	25A
VBO35-__N02	35A

MAXIMUM RATINGS

Parameter	Symbol	Rating	Unit	
Repetitive Peak Reverse Voltage	-02	V _{RRM}	200	V
	-04	V _{RRM}	400	V
	-06	V _{RRM}	600	V
	-08	V _{RRM}	800	V
	-10	V _{RRM}	1000	V
Operating & Storage Temperature	T _{STG}	-40 to +125°C	°C	
Torque Limit for Mounting Screws (1)	M _D	2.5/22	Nm/in-lb	



* The data supplied herein reflects the pre-production specification and characterization from Engineering lots. IXYS reserves the right to change limits, test conditions, and dimensions without notice.

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VBO06 VBO10
VBO15 VBO24
VBO35

Part Type	VRRM	VVRMS	I _{dAVM} @ T _c		I _{fSM}	V _F @ I _F		T _{VJM}	T _A
	V	V	A	°C	A	V	A	°C	°C
VBO6-02N04	200	85	4.5	50	125	1.0	3	150	-55 to +125
VBO6-04N04	400	170	4.5	50	125	1.0	3	150	-55 to +125
VBO6-06N04	600	260	4.5	50	125	1.0	3	150	-55 to +125
VBO6-08N04	800	340	4.5	50	125	1.0	3	150	-55 to +125
VBO6-10N04	1000	420	4.5	50	125	1.0	3	150	-55 to +125
VBO10-02N04	200	85	7.5	50	200	1.1	5	150	-55 to +125
VBO10-04N04	400	170	7.5	50	200	1.1	5	150	-55 to +125
VBO10-06N04	600	260	7.5	50	200	1.1	5	150	-55 to +125
VBO10-08N04	800	340	7.5	50	200	1.1	5	150	-55 to +125
VBO10-10N04	1000	420	7.5	50	200	1.1	5	150	-55 to +125
VBO15-02N04	200	85	13	75	300	1.1	7.5	150	-55 to +125
VBO15-04N04	400	170	13	75	300	1.1	7.5	150	-55 to +125
VBO15-06N04	600	260	13	75	300	1.1	7.5	150	-55 to +125
VBO15-08N04	800	340	13	75	300	1.1	7.5	150	-55 to +125
VBO15-10N04	1000	420	13	75	300	1.1	7.5	150	-55 to +125
VBO24-02N04	200	85	24	75	300	1.1	12.5	150	-55 to +125
VBO24-04N04	400	170	24	75	300	1.1	12.5	150	-55 to +125
VBO24-06N04	600	260	24	75	300	1.1	12.5	150	-55 to +125
VBO24-08N04	800	340	24	75	300	1.1	12.5	150	-55 to +125
VBO24-10N04	1000	420	24	75	300	1.1	12.5	150	-55 to +125
VBO35-02N04	200	85	32	75	400	1.1	17.5	150	-55 to +125
VBO35-04N04	400	170	32	75	400	1.1	17.5	150	-55 to +125
VBO35-06N04	600	260	32	75	400	1.1	17.5	150	-55 to +125
VBO35-08N04	800	340	32	75	400	1.1	17.5	150	-55 to +125
VBO35-10N04	1000	420	32	75	400	1.1	17.5	150	-55 to +125