

# BD7692FJ-EVK-001 Parts list



	Item	Spec	Parts name	Manufacture
Capacitor	C1,C2,C3	0.47 uF / 310 V	890 334 025 039 CS	WURTH
	C4	1 uF / 400 Vdc	890 283 326 009 CS	WURTH
	C5	150 uF / 450 V	861 021 486 027	WURTH
	C6	0.33 uF / 500 V	GRM55DR72H334KW10	MURATA
	C7	0.47 uF / 6.3 V	JMK107B7474KA-T	Taiyo Yuden
	C8	1 uF / 25 V	TMK107B7105KA-T	Taiyo Yuden
	C9	100 pF / 100 V	HMK107SD101KA-T	Taiyo Yuden
	C10,C20	1000 pF / 100 V	HMK107B7102MA-T	Taiyo Yuden
	C11	220 pF / 2 kV	885342209008	WURTH
	C12	-	-	-
	C13,C14	2200 pF / 250 V	DE1E3RA222M14BQ01F	Murata
C15,C16,C17	-	-	-	
C19	100 uF / 50 V	860 080 674 009	WURTH	
Diode	D1	FRD 600 V / 20 A	RFS20TJ6S	Rohm
	D4	600 V / 2 A	RR2LAM6S	Rohm
	D3	-	-	-
	D6	FRD 200 V / 0.5 A	RF05VAM2STR	Rohm
MOSFET	Q1	600 V / 24 A	R6024KNX	Rohm
Diode-Bridge	DA1	600 V / 15 A	GBU15J-U1	Willas Corp
Resistor	R1,R2,R5,R6	1Meg	KTR18PZPF1004	Rohm
	R3, R7	13k	MCR03PZPZFX1302	Rohm
	R4	390k	MCR03PZPZFX3903	Rohm
	R8	10k	MCR03EZPJ103	Rohm
	R9	120k	MCR03PZPJ124	Rohm
	R10	100	MCR18PZPJ101	Rohm
	R11	10	MCR18EZPJ100	Rohm
	R12	180	MCR18EZPJ181	Rohm
	R13	10k	MCR18ZPJ103	Rohm
	R14, R15,R16	0.2 / 1 W	LTR18PZPFLR200	Rohm
	R17	10 / 2 W	ERG2SJ100V	Panasonic
	R18	-	-	-
	R20, R21,R22	130k	MCR18PZPJ134	Rohm
OTHER	Fuse	250 Vac 6.3 A	VBS UDA-A6.30A	Tan doe Corp
	IC1	PFC	BD7692FJ	Rohm
	FL1	35 mH / 3.5 A	7448040435	WURTH
	FL2	15 mH / 6 A	GSTC1810-153N	Gang Song
	TH1	2 Ω / 4 A	2D2-13LD	SEMITEC
	L1	180 uH / 8.8 A	PFC3819QM-181K09B-50	TDK
	L2, L3	90 uH / 4.6 A	744 701 3	WURTH
	HEAT1,HEAT3	11.5 K/W	30PBE30-30B	Marusan
	HEAT2	22.9 K/W	IC-1625-STL	Sankyo Thremotec
	PCB	-	-	-
	CN1	3pin	B03P-NV(LF)(SN)	JST
	CN2	3pin	691137910003	WURTH

## Important Notes on the Use of Reference Designs

- 1) The contents of this document are subject to change without notice for the purpose of improvement.
- 2) ROHM provides reference designs (including, but not limited to, circuit diagrams, layout data, parts lists, reference boards and their evaluation results, etc.) and all materials related to evaluation boards (hereinafter collectively referred to as "Reference Designs, etc.") to customers for the purpose of referencing them in the development of devices, equipment, software, etc. incorporating ROHM products (hereinafter collectively referred to as "Customer Products"). The design, verification, etc. required for the development of the Customer's Product shall be done at the customer's responsibility and expense. In no event shall the customer use the Reference Designs, etc. for any purpose other than the purpose mentioned above.
- 3) Reference Designs, etc. are provided on an "as is" basis. ROHM disclaims all warranties, express or implied, including, but not limited to, warranties of usefulness, functionality, accuracy, merchantability, and fitness for a particular purpose. In no event shall ROHM be liable for any damages (including, but not limited to, lost profits or other incidental, consequential, or punitive damages) arising out of, related to or in connection with the use of or application of the Reference Designs, etc. whether in contract or tort. For the avoidance of doubt, ROHM does not warrant that the Reference Designs, etc. will work with the Customer's Product.
- 4) When using Reference Designs, etc. be sure to request and verify the latest specifications (including the specifications of the products that compose the Reference Design, etc.) separately.
- 5) The customer shall be responsible for implementing safety measures such as derating, redundant design, fire prevention, backup, and fail-safe measures, etc., to prevent personal injury, fire damage, etc., caused by the Customer's Product developed with Reference Designs, etc. ROHM assumes no liability whatsoever for any use in excess of the ratings or in case of failure to observe the instructions for use.
- 6) The application circuit examples, constants, and other information provided in Reference Designs, etc. are intended to illustrate standard operation and usage. Therefore, when designing for mass production, please take into account various external conditions.
- 7) Reference Designs, etc. are intended to show typical operations and examples of application circuits, etc., and do not constitute a license, express or implied, to implement or use any intellectual property rights or any other rights of ROHM or any other company. ROHM shall not be liable for any disputes arising from, related to or in connection with the use of the Reference Designs, etc.
- 8) Please make sure to contact ROHM and obtain ROHM's consent before using the Reference Designs, etc. for the following Customer's Product that requires particularly high reliability. Transportation equipment (in-vehicle, ship, railroad, etc.), trunk line communication equipment, traffic signal equipment, disaster and security equipment, safety equipment, medical equipment, servers, solar cells, power transmission systems, etc.
- 9) Do not use Reference Designs, etc. for the following Customer's Product that requires extremely high reliability. Aerospace equipment, nuclear power control equipment, submarine relay equipment, etc.
- 10) Do not use Reference Designs, etc. for military use, such as development of weapons of mass destruction, or for any other military purpose.
- 11) ROHM does not assume any liability for any accidents or damages caused by non-compliance with the descriptions in this document.
- 12) The information contained in this document has been carefully prepared to ensure accuracy. However, ROHM shall not be liable for any loss or damage incurred by customers due to errors or misprints in this document.
- 13) Do not reproduce or duplicate any part of this document in any form or by any means without ROHM's permission.



Thank you for your accessing to ROHM product informations.  
More detail product informations and catalogs are available, please contact us.

### ROHM Customer Support System

<http://www.rohm.com/contact/>