

**STEVAL-ISA118V1 Bill of material**

Reference	Part	Description	Manufacturer
C1, C2		4.7 $\mu$ F, 400 V NHG serie electrolytic capacitor	Panasonic
C3		10 $\mu$ F, 35 V GA serie electrolytic capacitor	Panasonic
C4, C11		100 nF, 50 V RPER7 serie ceramic capacitor	Murata
C5		150 pF, 100 V 682 serie ceramic capacitor	AVX
C6	Not mounted		
C7		4.7 nF, 50 V B3798x serie ceramic capacitor	EPCOS
C8		150 nF, 50 V B3798x serie ceramic capacitor	EPCOS
C9		470 $\mu$ F, 25 V ZL serie ultra-low ESR electrolytic capacitor	Rubycon
C10		100 $\mu$ F, 25 V VR serie electrolytic capacitor	Nichicon
D0	DF06M	600 V 1 A diode bridge	Vishay
D1	STTH1L06	Clamp diode	STMicroelectronics
D2	BAT46	Small signal diode	STMicroelectronics
D3	STPS2H100	Output diode 2 A, 100 V	STMicroelectronics
D4	P6KE300A	Transil	STMicroelectronics
D5	BZX79-C18	18 V Zener diode	NXP
D6	Not mounted	Small signal diode (1N4148)	
R1		4.7 $\Omega$ 3/4 W resistor	
R3		15 $\Omega$ 1/4W resistor	
R4	Not mounted		
R5a		10 k $\Omega$ 1% 1/4W resistor	
R5b		2.2 k $\Omega$ 1% 1/4W resistor	
R6		47 k $\Omega$ 1% 1/4W resistor	
R7		33 k $\Omega$ 1/4W resistor	
R8		68 k $\Omega$ 1/4W resistor	
L2	RFB0807-2R2L	2.2 $\mu$ H power inductor	Coilcraft
J,J2		jumpers	
T1	1335.0062	Transformer	MAGNETICA
IC	VIPer16LN		STMicroelectronics