

**STEVAL-ISQ013V1 Bill of materials :**

<b>Part</b>	<b>Footprint</b>	<b>Description</b>	<b>Value</b>	<b>Qty</b>
TS507	SOT23-5	Precision amplifier	TS507	1
Rf	0603	Resistor 0.1%	16.2k $\Omega$ <sup>(2)</sup>	2
Rg	0603	Resistor 0.1%	100 $\Omega$	2
Rs <sup>(1)</sup>	2512	Resistor 1%	30m $\Omega$ <sup>(2)</sup>	1
	9.4 x9.1mm	Resistor 1%	30m $\Omega$ <sup>(2)</sup>	
	Strap	Resistor 1%	30m $\Omega$ <sup>(2)</sup>	
Cf	0603	Capacitor	1nF <sup>(2)</sup>	1
C	0603	Decoupling Capacitor	1 $\mu$ F	1

<sup>(1)</sup> Only one shunt resistor is required, several footprints are available

<sup>(2)</sup> To choose the right value for your components refer to the part 4 of this application note. The default value has been chosen for a power source of 5V sourcing a maximum current of 1A.