

Non-inverting amplifier (Gain of 2.5) with Low-pass Filter

March 5th, 2017 by Pete Benja.

Qty	Reference Designator	Item Description	Supplier	Supplier Part no.	Manufacturer	Manufacturer Part no.	Unit Price
1	C1	390pF ±5% 50V Ceramic Capacitor C0G, NP0 Radial	Digi-Key	BC1020CT-ND	Vishay BC Components	K391J15C0GF5TL2	\$0.25
2	C2, C3	0.1µF ±10% 50V Ceramic Capacitor X7R Radial	Digi-Key	BC1084CT-ND	Vishay BC Components	K104K15X7RF5TL2	\$0.22
3	R1, R2, R3	10k Ohm ±5% 0.25W, 1/4W Through Hole Resistor Axial Flame Retardant Coating, Safety Carbon Film	Digi-Key	CF14JT10K0CT-ND	Stackpole Electronics Inc.	CF14JT10K0	\$0.10
2	RV1, RV2	10k Ohm 0.5W, 1/2W PC Pins Through Hole Trimmer Potentiometer Cermet 25 Turn Top Adjustment	Digi-Key	490-2875-ND	Bourns Inc.	PV36W103C01B00	\$1.50
1	U1	General Purpose Amplifier 2 Circuit Rail-to-Rail 8-SO	Digi-Key	497-5829-1-ND	STMicroelectroni cs	TSV912AIDT	\$0.94

BOM lines	5
Total components qty:	9
Sub Total:	\$4.93
Cart URL:	http://www.digikey.com/short/32zqbj