

Shields: Electrostatic shields are optional. The shields are connected to GUARD and not GROUND. Shields should not be grounded.

Triple Feedback Resistor Examples

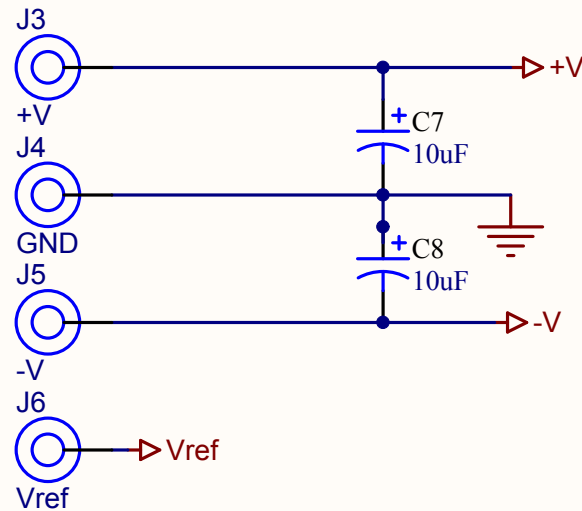
Amps per Volt	RF	RFa	RFb	Noise Gain
10nA	1MEG	100K	1K	100
10nA	10MEG	9K	1K	10
10nA	100MEG	0	-	1
1nA	10MEG	100K	1K	100
1nA	100MEG	9K	1K	10
1nA	1G	0	-	1
100pA*	10MEG	100K	100.09	1000
100pA	100MEG	100K	1K	100
100pA	1G	9K	1K	10
100pA	10G	0	-	1
10pA*	100MEG	100K	100.09	1000
10pA	1G	100K	1.01099K	100
10pA	10G	9K	1K	10
10pA	100G	0	-	1
1pA*	1G	100K	100.09	1000
1pA	10G	100K	1.01099K	100
1pA	100G	9K	1K	10
1pA	1T	0	-	1
100fA*	10G	100K	100.09	1000
100fA	100G	100K	1.01099K	100
100fA	10T	0	-	1
10fA*	100G	100K	100.09	1000
10fA	1T	100K	1.01099K	100
10fA	100T	0	-	1
1fA*#	100G	1MEG	99.09	10,000
1fA	1T	100K	100.09	1000
1fA	10T	100K	1.01099K	100
1fA	100T	1K	9K	10

* Vos Limited - may require Vref zeroing

Theoretical - Impractical unless offset zeroing/bucking is used

Single Feedback Resistor

A/V	RF
1mA	1K
100uA	10K
10uA	100K
1uA	1MEG
100nA	10MEG
10nA	100MEG
1nA	1Gig
100pA	10Gig
10pA	100Gig
1pA	1Tohm



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Designed for: Public Release	Mod. Date: 11/2/2009
Project: Change me in menu Project/Project Options/Parameters	
Sheet Title: LMP7721 Multi-Function Eval Board	Sheet: 1 of 1
Size: B	Schematic: 870600409
Assembly Variant: -100A	Rev: A
File: LMP7721_Multi_DemoBd_RevA.SchDoc	
Contact: http://www.national.com/support	



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