



**SDI Review Form 1.6**

Journal Name:	<a href="#">Journal of Engineering Research and Reports</a>
Manuscript Number:	Ms_JERR_48542
Title of the Manuscript:	Design of Common-Source/Drain Active Balun Using 90nm CMOS Technology
Type of the Article	Original Research Article

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link: (<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

**PART 1: Review Comments**

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Compulsory</b> REVISION comments		
<b>Minor</b> REVISION comments	<p>Manuscript is very well written and easy for reviewers and reader to understand the purpose of using Balun and its advantages. Results are discussed thoroughly.</p> <p>Did the author use the generic 90nm PDK from Cadence to draw the layout or circuit? Can author be more specific? Are you using Spectre Circuit Simulator or Virtuoso Layout Suite?</p> <p>If it is only by using Circuit simulation, how does the 90nm process is implemented?</p> <p>It would be better if the equation are written using MathType or Equation editor? Please use subscript or superscript for <math>V_1</math>, <math>V_2</math>, <math>R_1</math>, <math>R_2</math>, <math>V_{GS}</math>, <math>V_T</math>, etc as it is more neat.</p> <p>Please explain what is PSS+PNoise</p>	<ol style="list-style-type: none"> <li>1. Thank you very much.</li> <li>2. Added specifics on the standard 90nm cmos process pdk, and the cadence tool.</li> <li>3. Schematic design using 90nm pdk. Though layout design was actually done, only schematic design and results are presented in the paper.</li> <li>4. Noted. Replaced <math>V_1</math> and <math>V_2</math> to <math>V_1</math> and <math>V_2</math>, respectively. <math>R_1</math> and <math>R_2</math> retained to avoid confusion with other formula.</li> <li>5. Expounded PSS+PNoise meaning in the writeup.</li> </ol> <p>I have added 5 relevant references, Thank you very much for your review and comments.</p>
<b>Optional/General</b> comments		

**PART 2:**

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	