

## Product/Process Change (PCN) Notification

|                                                                                                                                                                                                          |                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| PCN Number: CO-30151<br>Date Issued: Jul 19, 2021<br>PCN Effective Date: Jul 19, 20210<br>Product(s) Affected: PE42451<br>Sample Availability: Jul 19, 2021<br>Change Control Board Approval #: CO-30151 | Contact: Yumi Otokawa<br>Title: Manager, Sales Operations<br>Phone: 1-858-795-0106<br>Email: pcn@psemi.com |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|

### Change Category:

|                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Wafer Fabrication Process<br><input type="checkbox"/> Design/Mask Change<br><input type="checkbox"/> Singulation Process<br><input type="checkbox"/> Assembly Process<br><input type="checkbox"/> Electrical Test<br><input type="checkbox"/> Manufacturing Site | <input type="checkbox"/> Shipping/Labeling<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> Material<br><input checked="" type="checkbox"/> Product Specification<br><input type="checkbox"/> Product End of Life<br><input type="checkbox"/> Other |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Purpose of Change:

To inform customers of PE42451 frequency range extension to 5GHz and operating temperature range extension to 105C in datasheet.

### Description of Change:

PE42451 frequency range in datasheet extends from 450MHz-4GHz to 450MHz-5GHz and operating temperature range extends from -40C - +85C to -40C - +105C. With this change, 4GHz – 5GHz electrical specifications of parameters such as Insertion Loss, Isolation, Return Loss, Input 1dB compression point, Input IP3 & IP2 and plots are updated in datasheet. There is no specification change for 450MHz – 4GHz and no ordering code change.

For more information, please contact PCN@psemi.com.

### Customer Acknowledgement of Receipt:

|                                                                                                                                                  |                   |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--|
| <input type="checkbox"/> Change Denied<br><i>(Include explanation in comments section below)</i><br><br><input type="checkbox"/> Change Approved | <b>Name:</b>      |  |
|                                                                                                                                                  | <b>Title:</b>     |  |
|                                                                                                                                                  | <b>Company:</b>   |  |
|                                                                                                                                                  | <b>Date:</b>      |  |
|                                                                                                                                                  | <b>Signature:</b> |  |
| <b>Customer Comments:</b>                                                                                                                        |                   |  |



pSemi Corporation  
9369 Carroll Park Drive, San Diego, CA. 92121

## **Product/Process Change (PCN) Notification**