

Product/Process Change (PCN) Notification

PCN Number: CO-23884

Date Issued: July 19th, 2019

PCN Effective Date: Oct 19th, 2019

Product(s) Affected: PE42423

Sample Availability: July 19th, 2019

Change Control Board Approval #: CO-23884

Contact: Elizabeth La Greca

Title: Director, Sales Operations

Phone: 858-255-7839

Email: PCN@psemi.com

Change Category:

- ☐ Wafer Fabrication Process
☐ Design/Mask Change
☐ Singulation Process
☐ Assembly Process
☐ Electrical Test
☐ Manufacturing Site

- ☐ Shipping/Labeling
☐ Equipment
☐ Material
☒ Product Specification
☐ Product End of Life
☐ Other

Purpose of Change:

Extend maximum operating temperature range and reduce RF input power specification in datasheet.

Description of Change:

pSemi has extended maximum operating temperature range from 85°C to 125°C in the PE42423 Product Specification Datasheet.

As a result, RF input power specifications in table 3 and 4 is revised and datasheet plots Fig.4,5,7,9,11, 13 are updated with 125°C.

Table 3. Operating Ranges

Parameter	Symbol	Min	Typ	Max	Unit
RF input power, CW 0.1–0.6 GHz 0.6–4.0 GHz 4.0–6.0 GHz	P _{MAX,CW}			27 Fig. 4 Fig. 4	dBm dBm dBm
RF input power, pulsed ¹ 0.1–0.6 GHz 0.6–4.0 GHz 4.0–6.0 GHz	P _{MAX,PULSED}			27 Fig. 4 Fig. 4	dBm dBm dBm
RF input power into terminated ports, CW	P _{MAX,TERM}			22	dBm
Operating temperature range	T _{OP}	-40	+25	+125	°C

Table 4. Absolute Maximum Ratings

Parameter/Condition	Symbol	Min	Max	Unit
Maximum input power 0.1–0.6 GHz 0.6–4.0 GHz 4.0–6.0 GHz	P _{MAX,ABS}		30 39 37.5	dBm dBm dBm

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

Customer Acknowledgement of Receipt*:

***Customer Acknowledgement is based upon JEDEC Standard, JESD46D.** Form # DOC-00558 Rev 2
If there is a difference between JEDEC and specific customer requirements, customer requirements take precedence.

Product/Process Change (PCN) Notification

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

*Customer Acknowledgement is based upon JEDEC Standard, JESD46D. Form # DOC-00558 Rev 2
 If there is a difference between JEDEC and specific customer requirements,
 customer requirements take precedence.