

Product/Process Change (PCN) Notification

PCN Number: CO-23884 Date Issued: July 19 th , 2019 PCN Effective Date: Oct 19 th , 2019 Product(s) Affected: PE42423 Sample Availability: July 19 th , 2019 Change Control Board Approval #: CO-23884	Contact: Elizabeth La Greca Title: Director, Sales Operations Phone: 858-255-7839 Email: PCN@psemi.com
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Change Category:

<input type="checkbox"/> Wafer Fabrication Process <input type="checkbox"/> Design/Mask Change <input type="checkbox"/> Singulation Process <input type="checkbox"/> Assembly Process <input type="checkbox"/> Electrical Test <input type="checkbox"/> Manufacturing Site	<input type="checkbox"/> Shipping/Labeling <input type="checkbox"/> Equipment <input type="checkbox"/> Material <input checked="" type="checkbox"/> Product Specification <input type="checkbox"/> Product End of Life <input type="checkbox"/> Other
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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 <i>Fig. 4</i> 27 <i>Fig. 4</i>	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 <i>Fig. 4</i> 27 <i>Fig. 4</i>	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.

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<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:		

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