

Customer Notification

CN Number: CO-10840 Date Issued: October 13, 2015 CN Effective Date: October 13, 2015 Product(s) Affected: PE42422 Lots/Date Codes: N/A Change Control Board Approval #:	Contact: Adela Doyle Title: Product Manager Phone: 858-255-7846 Fax: 858-731-9499 Email: adoyle@psemi.com
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Notification Category:

<input type="checkbox"/> Non-Conforming Material <input type="checkbox"/> Minor Design Change <input checked="" type="checkbox"/> Product Specification Change <input type="checkbox"/> Minor Shipping/Labeling Change	<input type="checkbox"/> Minor Wafer Fabrication Process Change <input type="checkbox"/> Minor Manufacturing Process Change <input type="checkbox"/> Material <input type="checkbox"/> Other
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Purpose of Notification:

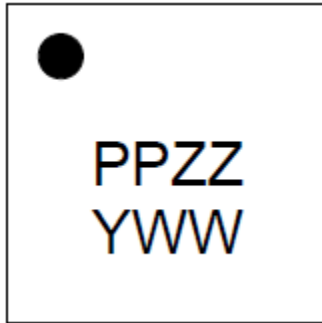
The purpose of this change is to inform customers the PE42422 product specification datasheet has been updated to include performance down to 5 MHz.

Technical Summary/Details:

1. Operating frequency range has been updated from 100 - 6000 MHz to 5 - 6000 MHz.
2. The following typical performance specifications have been added/updated in Table 1. Electrical Specifications
 - Insertion loss: 5-100 MHz
 - Isolation: 5-100 MHz
 - Return loss: 5-100 MHz
 - 2nd harmonic: 17-204 MHz
 - 3rd harmonic: 17-204 MHz
 - IIP2: 5, 17 MHz
 - IIP3: 5, 17 MHz, 100 – 6000 MHz
 - P0.1dB: 5-100 MHz
3. RF input power in Table 5. Absolute maximum ratings has been updated.
 - RF input power, 50Ω, 5 – 6000 MHz
4. New power derating curves have been added to address the power handling capabilities below 100 MHz.
5. Top marking specification has been updated as Peregrine's supplier improved its marking capability. The last two digits of assembly year can be found in the top marking of lots that are assembled in 2015. Both top marking specs will be included in the datasheet.

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Original:



Marking Spec Symbol	Package Marking	Definition
PP	DE	Part number marking for PE42422
ZZ	00-99	Last two digits of lot code
Y	0-9	Last digit of year, starting from 2009 (0 for 2010, 1 for 2011, etc)
WW	01-53	Work week

Updated:



Marking Spec Symbol	Package Marking	Definition
PP	DE	Part number marking for PE42422
ZZ	00-99	Last two digits of lot code
YY	00-99	Last two digits of assembly year
WW	01-53	Work week

Customer Acknowledgement:

Customer should acknowledge receipt of this notification via email to the Peregrine Account Representative within 30 days of receipt. This is a notification of a minor change only, customer approval is not required.



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