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PRODUCT CHANGE NOTICE
PCN Form (D4-E000-73)

PCN/EOL#16-036

NOTIFICATION DATE: June 27, 2016

MODEL(S) AFFECTED:

ZN4PD1-50-S+

EXTENT OF CHANGE:

Discontinuation of ZN4PD1-50-S+ and replacement by ZN4PD1-63HP-S+

EFFECT OF CHANGE:

Change to FIT (size), FORM (appearance) and FUNCTION (improved)
See datasheets at http://www.minicircuits.com/pdfs/ZN4PD1-63HP+.pdf

REASON FOR CHANGE:

Improved design for performance and manufacturing

EFFECTIVE DATE OF CHANGE:

Immediate, based on stock availability
Data available to support the change

ATTACHMENTS:

Application Note

QUESTIONS? **PLEASE CONTACT US.**

APPLICATION NOTE

REPLACEMENT PART REFERENCE GUIDE, ZN4PD1-50-S+

ORIGINAL PART: ZN4PD1-50-S+
REPLACEMENT PART: ZN4PD1-63HP-S+

Replacement Part has been judged by Mini-Circuits Engineering as a suitable replacement to Original Part

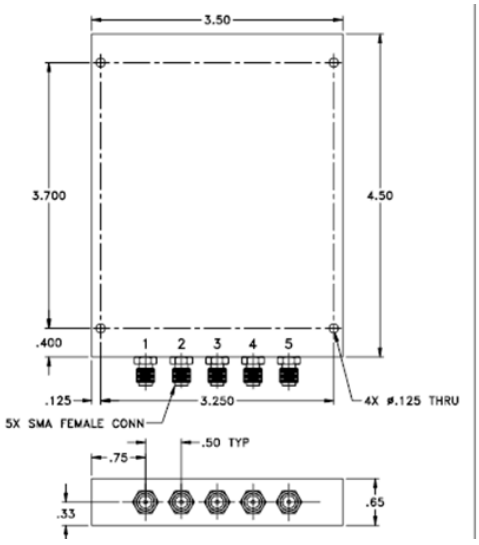
MECHANICAL DIMENSIONS

ORIGINAL PART: ZN4PD1-50-S+	REPLACEMENT PART: ZN4PD1-63HP-S+

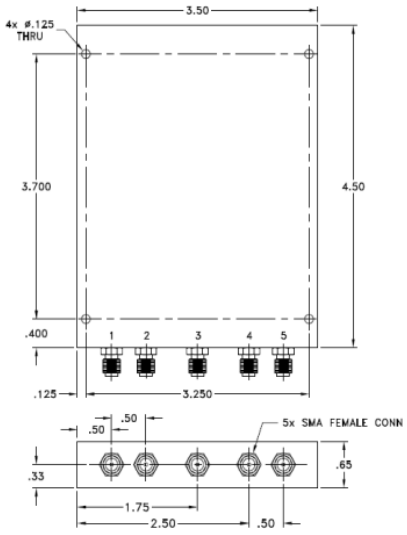
Case Style Change from

UU846 to UU846-4

FROM:



TO:



Notes:
a. Suitability for model replacement within a particular system must be determined by and is solely the responsibility of the customer based on, among other things, electrical performance criteria, stimulus conditions, application, compatibility with other components and environmental conditions and stresses.

ORIGINAL PART: ZN4PD1-50-S+	REPLACEMENT PART: ZN4PD1-63HP-S+

In new outline UU846-4, connectors at location 1 and 2 are moved on the left side by .250” (6.35mm) and connectors 4 and 5 are moved on the right side by .250” (6.35 mm)

Internally, PCB material is changed from OAK to TLP.

CONCLUSION:

Unit is a functional alternative with improved performance.

Following is a summary of changes/improvements. Typical performance curves are given below

Min/Max Specifications:

Parameter	Original Part ZN4PD1-50-S+	Replacement Part ZN4PD1-63HP-S+
Insertion Loss(max) @ 5000 MHz	1.8	1.5 typ
Isolation (Min) @ 5000 MHz	13	18
Phase unbalance (max)	8	6
Amplitude unbalance (max)	0.6	0.6
VSWR (Max)@ (typ)	1.3:1	1.25:1

PERFORMANCE COMPARISON CURVES (TYPICAL)

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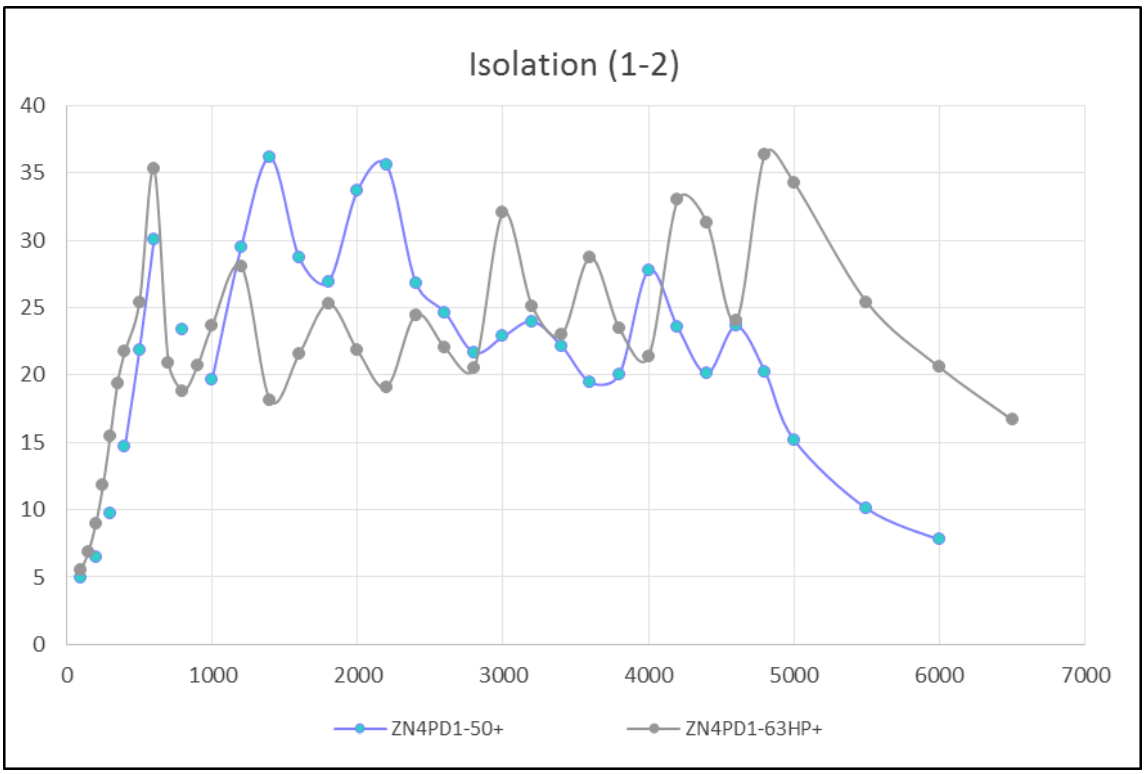

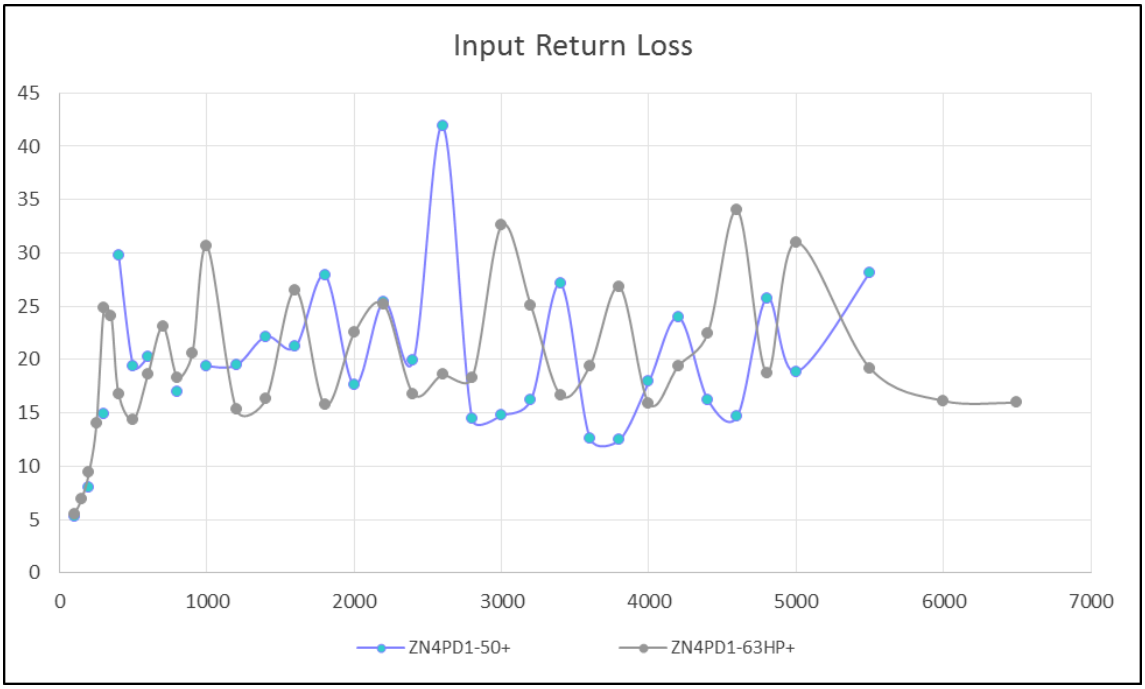

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