

## PRODUCT CHANGE NOTICE

PCN Form (D4-E000-73)

**PCN#**

**NOTIFICATION DATE:**

**MODEL(S) AFFECTED:**

**EXTENT OF CHANGE:**

**EFFECT OF CHANGE:**

**REASON FOR CHANGE:**

**EFFECTIVE DATE OF CHANGE:**

**DELIVERY:**

**ATTACHMENTS:**

”  
”  
”

**QUESTIONS?**

**PLEASE CONTACT US.**

**ISO 9001 CERTIFIED**

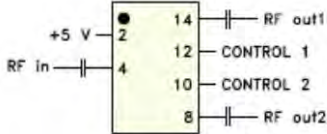
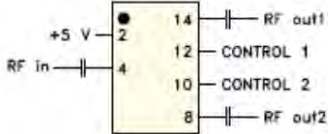


**REPLACEMENT PART REFERENCE GUIDE:**

**AN-80-008**

ORIGINAL PART: RSW-2-25P+  
 REPLACEMENT PART: RSW-2-25PA+

*This replacement part has been judged by Mini-Circuits Engineering as a suitable replacement part for the existing RSW-2-25P+. As a result of die obsolescence of the original design, the re-design effort includes the use of the new die in package mounted on an interface PC board to enable functional replacement while maintaining existing PCB footprint.*

**APPLICATION CIRCUITS**

<p><b>ORIGINAL PART: RSW-2-25P+</b> APPLICATION CIRCUIT</p> 	<p><b>REPLACEMENT PART: RSW-2-25PA+</b> APPLICATION CIRCUIT-No Change</p> 
<p><b>ORIGINAL PART: RSW-2-25P+</b> CASE STYLE: CL620</p> 	<p><b>REPLACEMENT PART: RSW-2-25PA+</b> CASE STYLE: CL620-1 (6 x 8.7x1.8 mm <b>(FOOT PRINT COMPATIBLE)</b>)</p> 

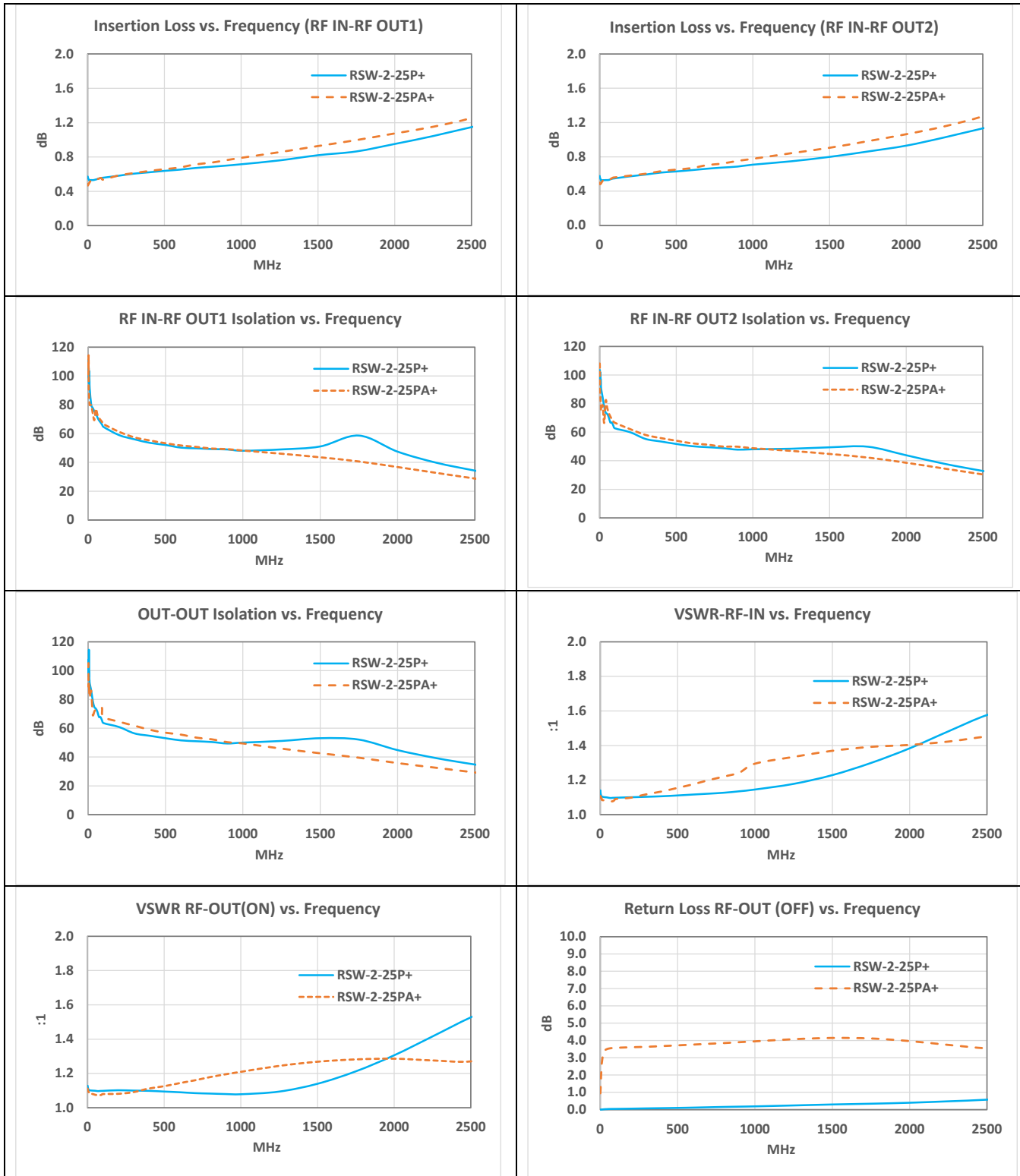
## CONCLUSION:

- 1) **FORM-FIT-FUNCTIONAL COMPATIBLE:** Similar Circuit and PCB Layout.
- 2) **TYPICAL PERFORMANCE COMPARISON** <sup>a</sup>:

		RSW-2-25PA+	RSW-2-25P+
	Condition (MHz)	Average	Average
Insertion Loss (dB)	1 to 100	0.5	0.5
	100 to 1000	0.7	0.6
	1000 to 2000	0.9	0.8
	2000 to 2500	1.1	1.0
Isolation RF-IN to RF-OUT (dB)	1 to 100	81	85
	100 to 1000	53	53
	1000 to 2000	45	48
	2000 to 2500	33	38
Isolation RF-OUT to RF-OUT (dB)	1 to 100	88	86
	100 to 1000	55	54
	1000 to 2000	41	49
	2000 to 2500	32	40
Return Loss RF-IN (dB)	1 to 100	27	26
	100 to 1000	22	25
	1000 to 2000	18	20
	2000 to 2500	18	14
Return Loss RF-OUT (ON) (dB)	1 to 100	27	26
	100 to 1000	22	27
	1000 to 2000	20	23
	2000 to 2500	24	15
Return Loss RF-OUT (OFF) (dB)	1 to 100	2.6	0.0
	100 to 1000	3.7	0.1
	1000 to 2000	4.0	0.3
	2000 to 2500	3.6	0.5
Switching Time (ns)			
	Rise/Fall Time	3	12
	ON/OFF Time	14	29

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.

## COMPARISON PERFORMANCE CURVES:



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.