

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

EOL/PCN#22-007

NOTIFICATION DATE: May 5, 2022

MODEL(S) AFFECTED:

Existing Model:	Replacement Model:
RBP-650+	RBP-650A+

EXTENT OF CHANGE:

End-of-Life

EFFECT OF CHANGE:

- No change to **FIT** (dimension)
- No change in **FORM** (appearance)
- There is change in **FUNCTION** (performance) due to change in schematic. Redesigned the model and introduced as RBP-650A+. Refer Replacement Guide attached for details

REASON FOR CHANGE:

End of life to overcome the difficulties in assembly process and to improve efficiency.

EFFECTIVE DATE OF CHANGE

Immediate

ATTACHMENTS:

Replacement Guide AN-75-026

QUESTIONS?

[PLEASE CONTACT US.](#)

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Attachment to **EOL/PCN#22-007**



REPLACEMENT PART REFERENCE GUIDE, RBP-650+

AN-75-026

Original Part	RBP-650+	
Replacement Part	RBP-650A+	

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

MECHANICAL DIMENSIONS

Case Style: GP731
Replacement part uses same case style as original part.

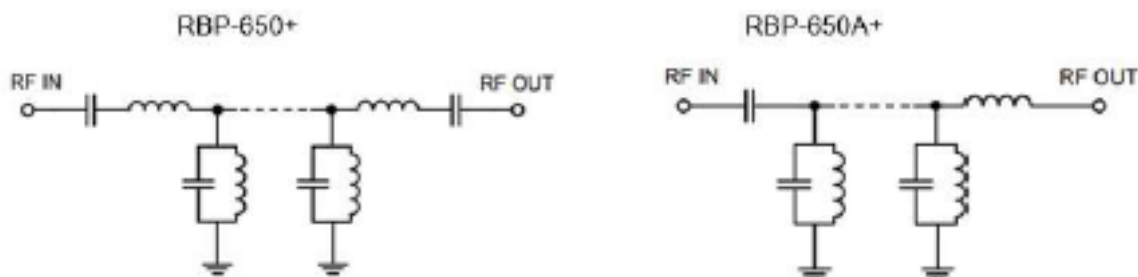
CONCLUSION:

1) FORM-FIT-FUNCTIONAL ANALYSIS:

The Replacement Part is Form, Fit compatible.

There is minor change in Function (Performance) due to change in functional schematic.

Functional schematic comparison:



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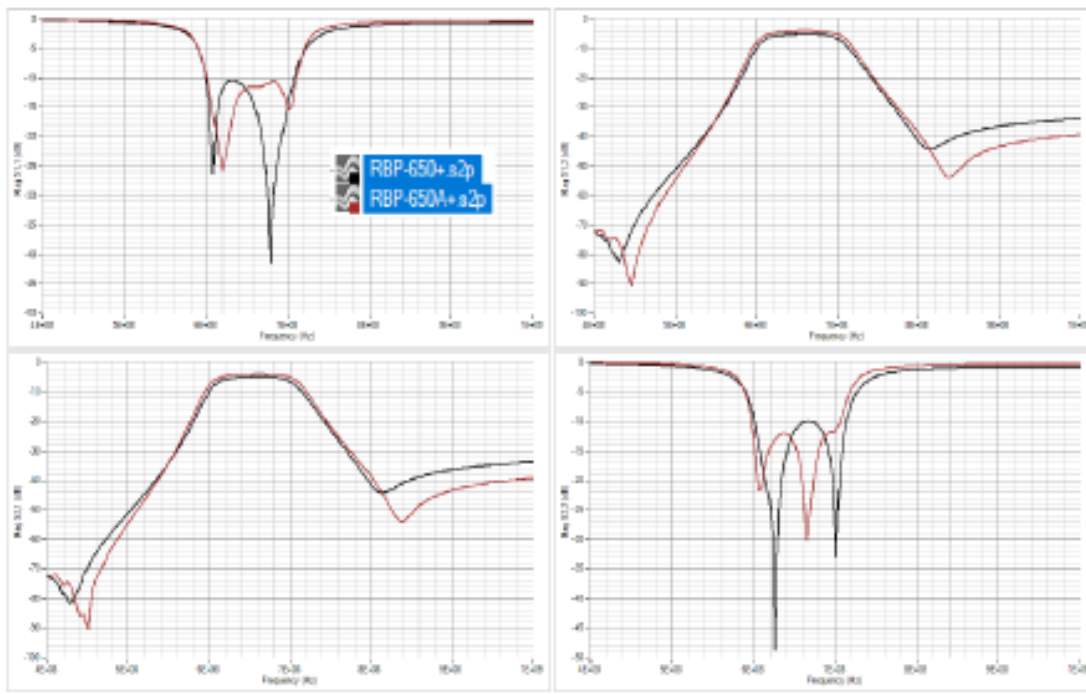
2) TYPICAL PERFORMANCE COMPARISON AT ROOM TEMPERATURE:

Parameter		Frequency	Original Part: RBP-650+, 25 units data			Replacement Part: RBP-650A+, 25 units data		
			Min	Max	Mean	Min	Max	Mean
Pass band	Insertion loss, dB	624 - 680	4.20	5.03	4.65	4.26	4.71	4.46
		520	41.51	52.49	45.16	37.03	38.89	37.48
Stop band	Insertion loss, dB	550	24.61	29.92	27.36	28.15	30.06	28.62
		760	24.16	28.92	26.16	29.1	31.23	30.42
		810 - 1000	35.58	40.26	38.59	40.04	41.69	40.87
Pass band	Return loss, dB	624 - 680	6.51	10.80	7.88	11.84	20.63	16.85

3) TYPICAL PERFORMANCE GRAPHS AT ROOM TEMPERATURE:

Original Part: RBP-650+

Replacement Part: RBP-650A+



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