

REPLACEMENT PART REFERENCE GUIDE, ZVBP-40600-K+

AN-75-034

ORIGINAL PART	ZVBP-40600-K+
REPLACEMENT PART	ZVBP-40600-K1+

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

MECHANICAL DIMENSIONS

CASE STYLE	ZVBP-40600-K+	UH3130
	ZVBP-40600-K1+	ZT3578

CONCLUSION:

1. **FORM-FIT-FUNCTIONAL ANALYSIS:**

There is change in FORM, FIT and FUNCTION

FORM: There is change in color

ZVBP-40600-K+:

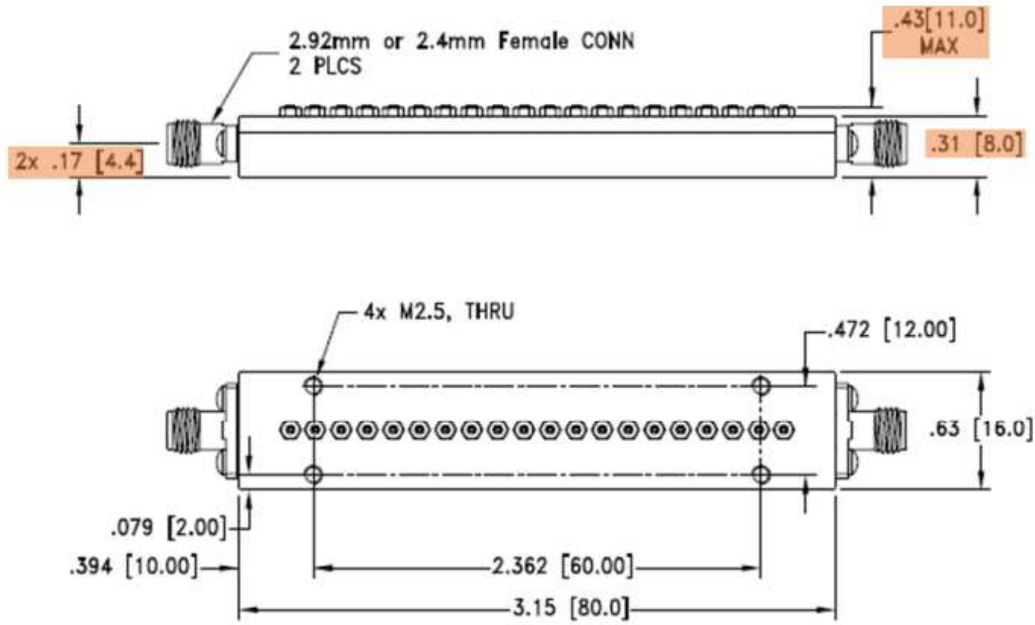


ZVBP-40600-K1+:

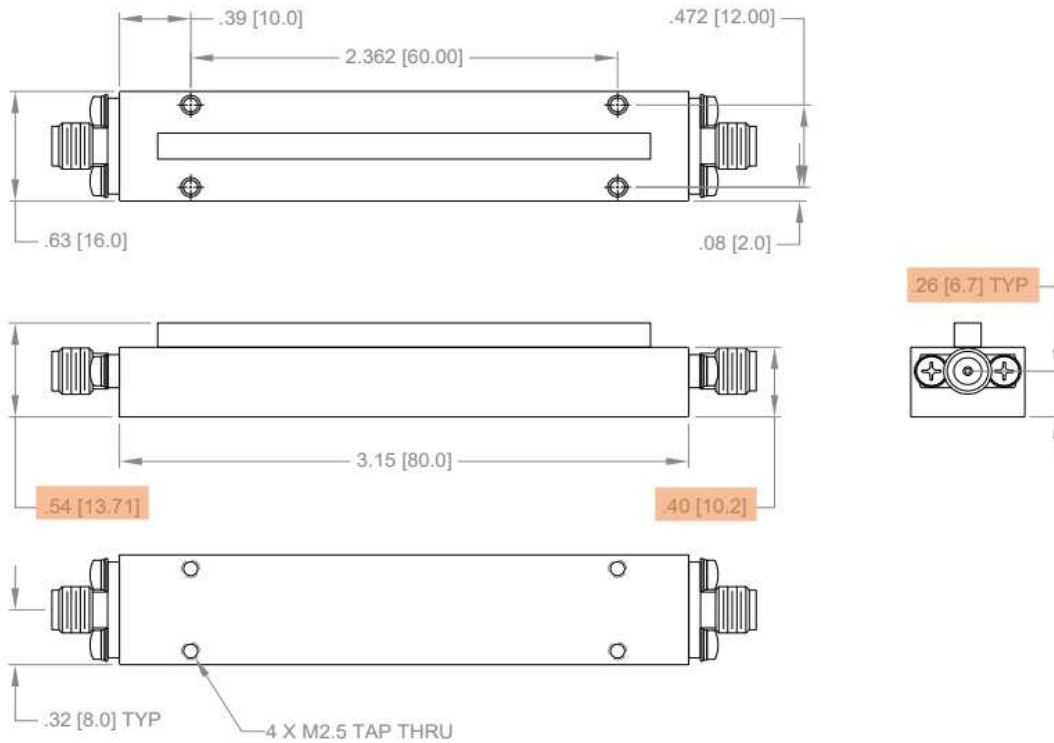


FIT:

ZVBP-40600-K+:



ZVBP-40600-K1+:



FUNCTION:

Following is the summary of changes/ improvements in the specification:

Electrical Parameters	Frequency, MHz		Catalog Specification					
			ZVBP-40600-K+			ZVBP-40600-K1+		
	Min	Max	MIN	TYP	MAX	MIN	TYP	MAX
Pass Band Insertion Loss (dB)	37700	43500	-	1.3	3.0	-	1.8	3.0
Pass Band Return Loss (dB)	37700	43500	15.0	28.0	-	15.0	18.0	-
Stop Band Rejection (dB)	DC	36600	80.0	102.0	-	70.0	88.0	-
Stop Band Rejection (dB)	44600	55000	80.0	114.0	-	70.0	79.0	-

For typical performance see paragraph 2

2. TYPICAL PERFORMANCE COMPARISON AT ROOM TEMPERATURE:

Electrical Parameters	Frequency, MHz		ZVBP-40600-K+		ZVBP-40600-K1+	
	Min	Max	MIN	MAX	MIN	MAX
Pass Band Insertion Loss (dB)	37700	43500	-	2.7	-	1.6
Pass Band Return Loss (dB)	37700	43500	20.0	-	17.9	-
Stop Band Rejection (dB)	DC	36600	103.0	-	89.1	-
Stop Band Rejection (dB)	44600	55000	86.6	-	89.1	-

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