

REPLACEMENT PART REFERENCE GUIDE, ZVBP-38500-K+

AN-75-031

ORIGINAL PART	ZVBP-38500-K+
REPLACEMENT PART	ZVBP-38500-K1+

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

MECHANICAL DIMENSIONS

CASE STYLE	ZVBP-38500-K+	UH3129
	ZVBP-38500-K1+	ZS3573

CONCLUSION:

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

There is change in FORM, FIT and FUNCTION

FORM: There is change in colour

ZVBP-38500-K+:

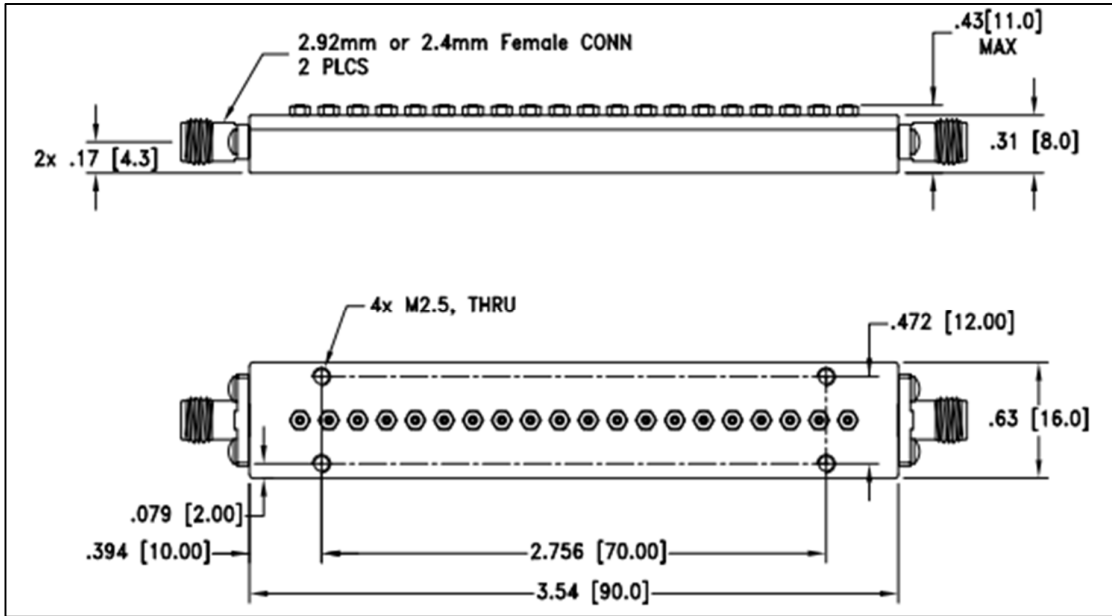


ZVBP-38500-K1+:

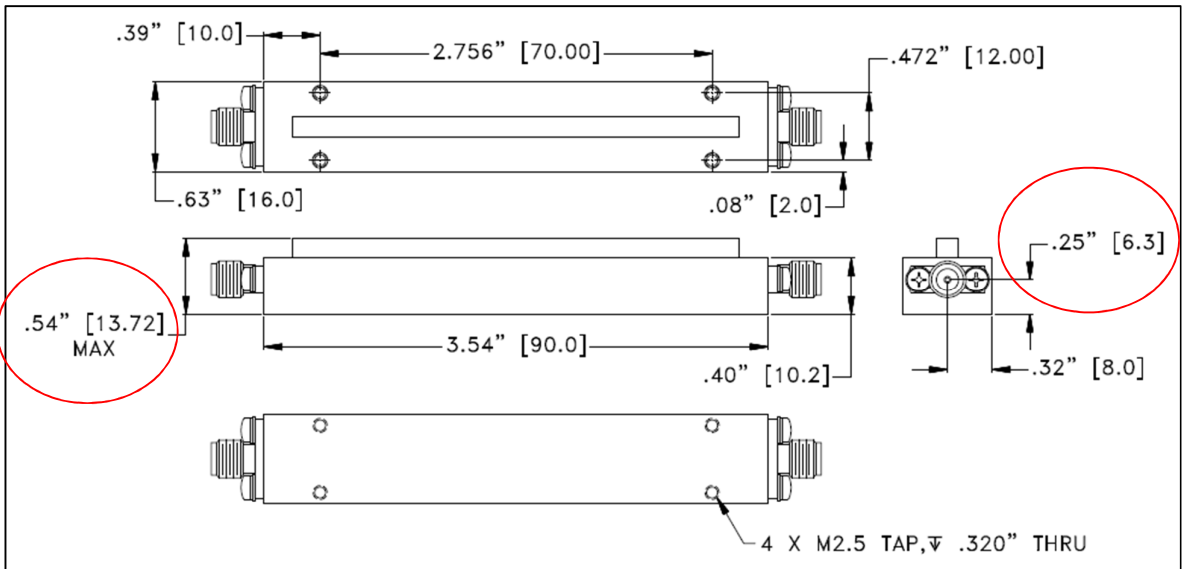


FIT: There is change in height by 0.11"

ZVBP-38500-K+:



ZVBP-38500-K1+:



FUNCTION:

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

Electrical Parameters	Frequency, MHz		Catalog Specification					
			ZVBP-38500-K+			ZVBP-38500-K1+		
	Min	Max	MIN	TYP	MAX	MIN	TYP	MAX
Pass Band Insertion Loss (dB)	37000	40000	-	2.1	4.0	-	3.0	4.0
Pass Band Return Loss (dB)	37000	40000	15.0	27.0	-	14.0	18.4	-
Stop Band Rejection (dB)	10	36500	80.0	127.0	-	75.0	84.0	-
Stop Band Rejection (dB)	40500	55000	80.0	116.0	-	75.0	79.0	-

For typical performance see paragraph 2

2. TYPICAL PERFORMANCE COMPARISON AT ROOM TEMPERATURE:

Electrical Parameters	Frequency, MHz		ZVBP-38500-K+		ZVBP-38500-K1+	
	Min	Max	MIN	MAX	MIN	MAX
Pass Band Insertion Loss (dB)	37000	40000	-	3.7	-	3.3
Pass Band Return Loss (dB)	37000	40000	19.7	-	20.0	-
Stop Band Rejection (dB)	10	36500	82.7	-	84.4	-
Stop Band Rejection (dB)	40500	55000	83.8	-	81.1	-

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