

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

PCN/EOL# 19-041

NOTIFICATION DATE: April 30, 2019

MODEL(S) AFFECTED:

Existing Model:	Replacement Model:
VAEQ-2150+	VAEQ-2150R+

EXTENT OF CHANGE:

1. Replacement of supplied PIN diodes based on discontinuation of supply with alternate, qualified attenuator diodes.
2. Changes of internal component values to support item 1

EFFECT OF CHANGE:

No change in FIT or FORM.

Change in Function – performance and specifications vary from original performance (see page 2)

REASON FOR CHANGE:

Obsolescence of supplied components.

EFFECTIVE DATE OF CHANGE:

Immediate, pending stock depletion of VAEQ-2150+.

ATTACHMENTS:

Data available to support the change

QUESTIONS?

[PLEASE CONTACT US.](#)

PRODUCT CHANGE NOTICE

PCN Form (D4-E000-73)

Attachment to PCN/EOL# 19-041

Change in Function – performance and specifications vary from original performance as follows:

Parameters @ V+=3V	VAEQ-2150+		VAEQ-2150R+	
	Performance	Specification (Typ)	Performance	Specification (Typ)
Ins. loss @ 2.8V	6.53 to 8.54 dB	12.6 - 3.2 dB @ 950 MHz 5.9 - 6.3 dB @ 2150 MHz	5.06 to 7.44 dB	12.6 - 3.2 dB @ 950 MHz 5.9 - 6.3 dB @ 2150 MHz
Ins. loss @ 3V	6.64 to 7.76 dB		5.06 to 6.37 dB	
Ins. loss @ 5V	2.72 to 6.87 dB		2.14 to 5.39 dB	
Output RL @ 0V	5.27 to 12.83 dB	10 dB	11.1 to 17.42 dB	12 dB Typ
Output RL @ 2.1V	5.34 to 11.94 dB		10.7 to 13.84 dB	
Output RL @ 2.4V	5.76 to 14.36 dB		11.38 to 16.88 dB	
Output RL @ 2.8V	6.29 to 17.49 dB		12.26 to 19.96 dB	
Output RL @ 3V	6.52 to 18.6 dB		12.5 to 19.64 dB	
Output RL @ 5V	6.39 to 16.47 dB		15.76 to 22.55 dB	

Parameters @ V+=5V	VAEQ-2150+		VAEQ-2150R+	
	Performance	Specification (Typ)	Performance	Specification (Typ)
Ins. loss @ 3.8V	6.87 to 9.5 dB	12.6 - 6.6 dB @ 950 MHz 6.1 - 7.7 dB @ 2150 MHz	5.38 to 9.08 dB	12.6 - 6.6 dB @ 950 MHz 6.1 - 7.7 dB @ 2150 MHz
Ins. loss @ 4.3V	7.26 to 7.95 dB		5.7 to 7.35 dB	
Ins. loss @ 5V	6.69 to 8.13 dB		5.8 to 6.16 dB	
Input RL @ 4.3V	8.88 to 27.41 dB	16 dB	8.6 to 22.62 dB	16 dB
Input RL @ 5V	9.22 to 27.57 dB		8.92 to 21.64 dB	
Output RL @ 0V	5.24 to 13.9 dB	11 dB	11.29 to 18.86 dB	13 dB
Output RL @ 3.2V	5.4 to 14.34 dB		11.39 to 18.85 dB	
Output RL @ 3.4V	5.67 to 16.25 dB		11.93 to 23.64 dB	
Output RL @ 3.8V	6.21 to 19.27 dB		13.27 to 25.95 dB	
Output RL @ 4.3V	6.76 to 19.26 dB		15.07 to 21.16 dB	
Output RL @ 5V	7.26 to 17.78 dB		17.69 to 21 dB	

No change in internal or external layout.