

October 24, 2011

## Notice of Specification Change

Customer: All  
Customer P/N: NA  
Anaren P/N: X3C07P1-03SR

Customer PO:  
Ref Number: [LACA-8MXKYQ](#)  
Qty Affected: TBD

### Notice of Specification Change(s):

Anaren regrets to inform you that a specification change is required for the X3C07P1-03SR product. Amplitude and Phase Balance are the parameters that require a change. The tables below outline current specifications and updated specifications.

### Current Data Sheet Specifications:

Frequency	Isolation	Insertion Loss	VSWR	Amplitude Balance
<i>MHz</i>	<i>dB Min</i>	<i>dB Max</i>	<i>Max : 1</i>	<i>dB Max</i>
600-900	23	0.20	1.15	± 0.25
695-805	25	0.17	1.12	± 0.17
731-881	25	0.20	1.15	± 0.25
Phase	Power	ΘJC	Operating Temp.	
<i>Degrees</i>	<i>Avg. CW Watts</i>	<i>°C/Watt</i>	<i>°C</i>	
90 ± 4.0	130	12.9	-55 to +95	
90 ± 2.0	130	12.9	-55 to +95	
90 ± 4.0	130	12.9	-55 to +95	

### Updated Data Sheet Specifications:

Frequency	Isolation	Insertion Loss	VSWR	Amplitude Balance
<i>MHz</i>	<i>dB Min</i>	<i>dB Max</i>	<i>Max : 1</i>	<i>dB Max</i>
600-900	23	0.20	1.15	± 0.25
695-805	25	0.17	1.12	<b>± 0.25</b>
731-881	25	0.20	1.15	± 0.25
Phase	Power	ΘJC	Operating Temp.	
<i>Degrees</i>	<i>Avg. CW Watts</i>	<i>°C/Watt</i>	<i>°C</i>	
90 ± 4.0	130	12.9	-55 to +95	
<b>90 ± 3.0</b>	130	12.9	-55 to +95	
90 ± 4.0	130	12.9	-55 to +95	

**Justification:**

When Anaren originally established the specifications for this part, they were based on estimated projections for material and process variations during low volume pilot builds. As we have increased production quantities, it has become apparent that these projections were too optimistic. Because of the size constraints inherent in this small part, there are no design options available which would make the part more robust without adversely impacting the performance of other parameters. Therefore, our only available option is to increase the specification window for Amplitude and Phase Balance.

**Specification Change Timeline:**

This specification change is immediate and any shipments made by Anaren from 12/01/2011 will be compliant to updated datasheet specifications.

Anaren regrets the required specification change but we feel that it is essential to ensure timely and consistent deliveries of the X3C07P1-03SR in the future.

If you have any questions or need further information, please call me at 1-800-544-2414 or send e-mail to [lachutha@anaren.com](mailto:lachutha@anaren.com).

Sincerely,  
Lakshmi Achutha  
Catalog Project Engineer