Delay Line



Description:

The XDL15-3-030S can be used in amplifier linearization applications from 135 – 2700Mhz. Small form factor of XDL15-3-030S is ideal for cascading to obtain longer delay. The Xinger® delay lines are a low cost, high quality alternative to the traditional coaxial and filter solutions presently available. Parts have been subjected to rigorous qualification testing and units are 100% tested. Produced with 6 of 6 RoHS compliant tin immersion finish.

Features:

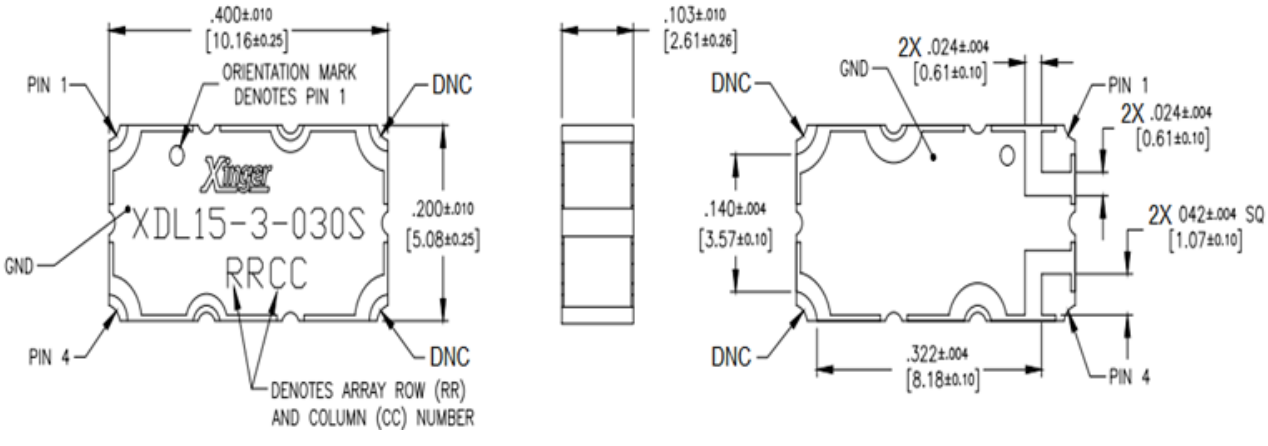
- **Production Friendly**
- **Consistent Delay**
- **Stable Over Temperature**
- **Surface Mountable**
- **Available in Tape & Reel**
- **Non-Lead Solder Paste Compatible**
- **Lead Free**
- **100% Tested**
- **MSL 2**

Electrical Specifications:

Frequency (MHz.)	Return Loss (dB) (min)	Insertion Loss per ns (dB/ns) (max)	Group Delay (nS)	Operating Temp. (ºC)	Power Handling (Watt)
135-2700	-12	-1.5	2.85 ± 0.30	-55 to +140	1

* Specification based on performance of unit properly installed on TTM Test Board 66111-0001.
* Specifications subject to change without notice. Refer to parameter definitions for details.

Mechanical Outline:

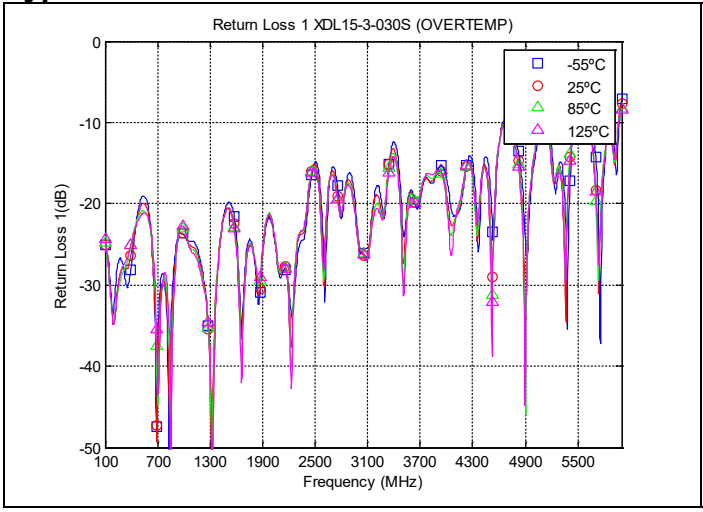


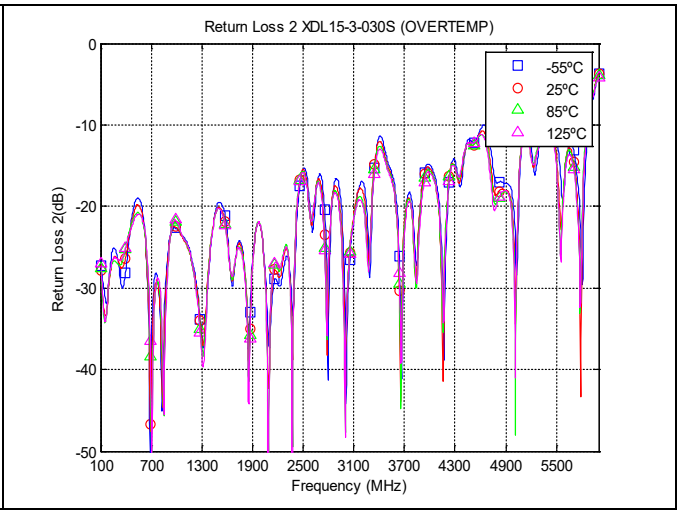
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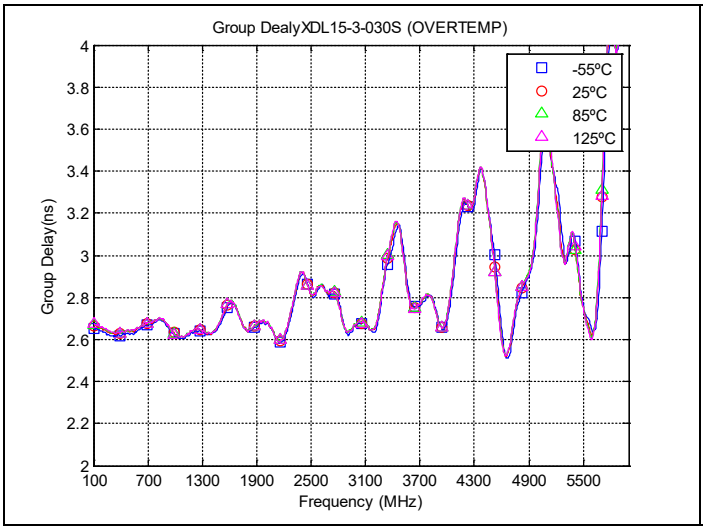
PIN CONFIGURATION

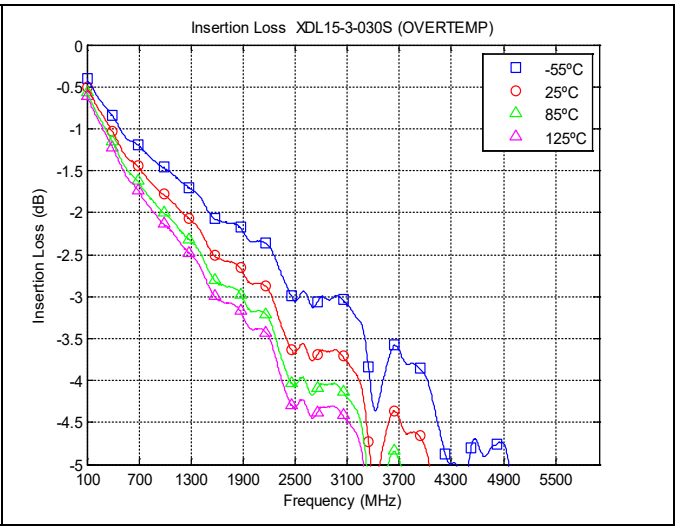
Pin 1	Pin 2	Pin 3	Pin 4
Input	DNC- Do not connect, Do not ground	DNC- Do not connect, Do not ground	Output
Output	DNC- Do not connect, Do not ground	DNC- Do not connect, Do not ground	Input

Typical Performance: 100 MHz to 6000 MHz









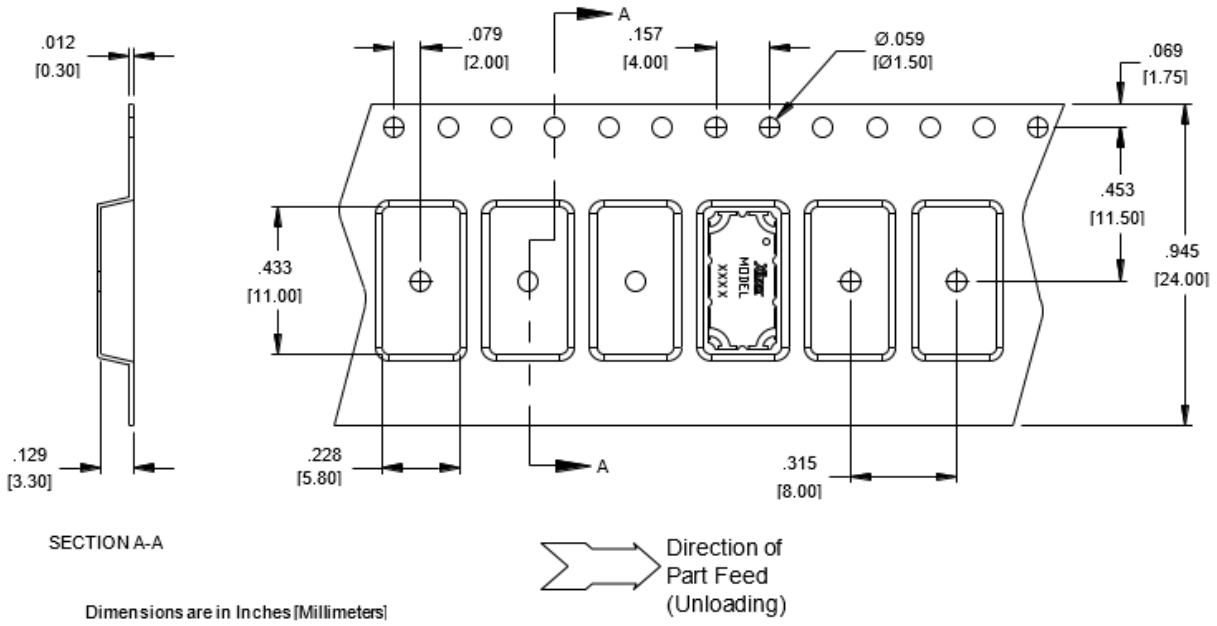
CASCADING XDL15-3-030S

If more than 3ns delay is needed, cascading XDL15-3-030S can provide group delay of 6ns, 9ns and 12ns. Gap of 2mm between the cascaded parts is recommended with solder mask in between.

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Packaging and Ordering Information:

Parts are available in a reel and as loose parts in a bag. Packaging follows EIA 481-D for reels. Parts are oriented in tape and reel as shown below. Minimum order quantities are 2000 per reel. See Model Numbers below for further ordering information.



REEL

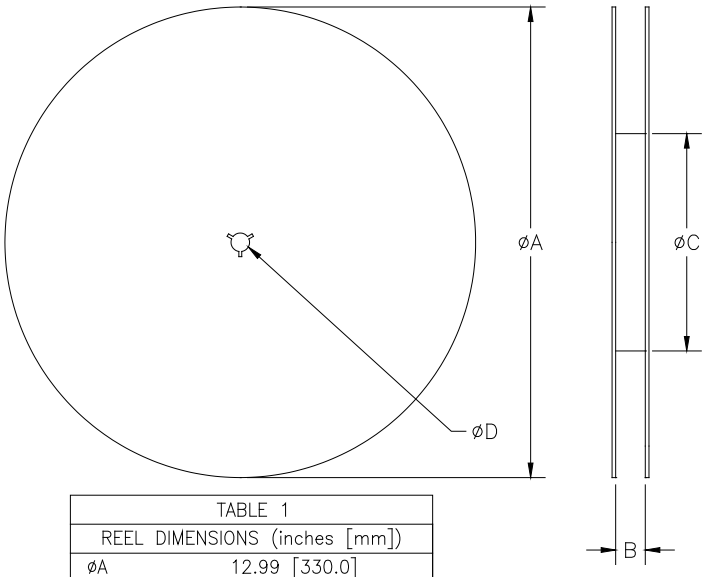


TABLE 1	
REEL DIMENSIONS (inches [mm])	
øA	12.99 [330.0]
B	.945 [24.0]
øC	4.017 [102.03]
øD	0.512 [13.0]

Contact us:
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