

Surface Mount

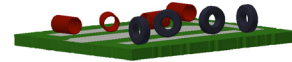
Diplexer

DPLB-6585A0+

75Ω 5 to 1220 MHz
(5-65, 85-1220 MHz)

The Big Deal

- Low insertion loss, 1dB Typ.
- High rejection, 50dB Typ.
- Very good return loss, 24dB Typ.
- 75Ω Impedance
- Used for DOCSIS 3.1 standard



CASE STYLE: NU1620

Product Overview

DPLB-6585A0+ is a high performance low cost diplexer with the lowpass port at 5-65 MHz and highpass port at 85-1220 MHz. Excellent return loss combined with high out of channel rejection makes it an ideal component in cable TV and multiband radio systems.

Key Features

Feature	Advantages
Low passband insertion loss	Passband insertion loss 1dB typ. ensures low signal loss through both the channels.
Excellent Stopband rejection	Co-channel rejection of 50dB typ. ensures unwanted spurious are eliminated.
Excellent return loss at 5-65 and 85-1220 MHz	This makes signal transmission with very less reflection and well-matched with the adjacent component used in the system.

Notes

A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp



Surface Mount Diplexer

DPLB-6585A0+

75Ω 5 to 1220 MHz (5-65, 85-1220 MHz)

Maximum Ratings

Operating Temperature -40° to 85°C

Storage Temperature -55°C to 100°C

RF Power Input 30dBm Max.

Permanent damage may occur if any of these limits are exceeded. These ratings are not intended for continuous normal operation

Pin Connections

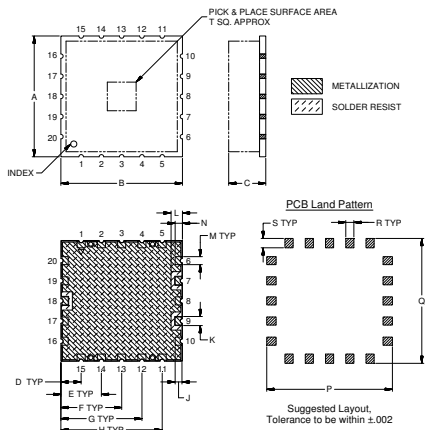
HIGH PASS PORT 7

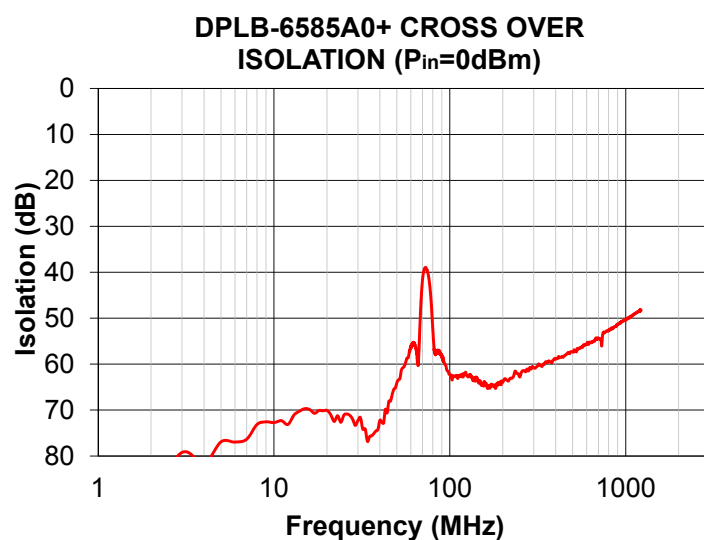
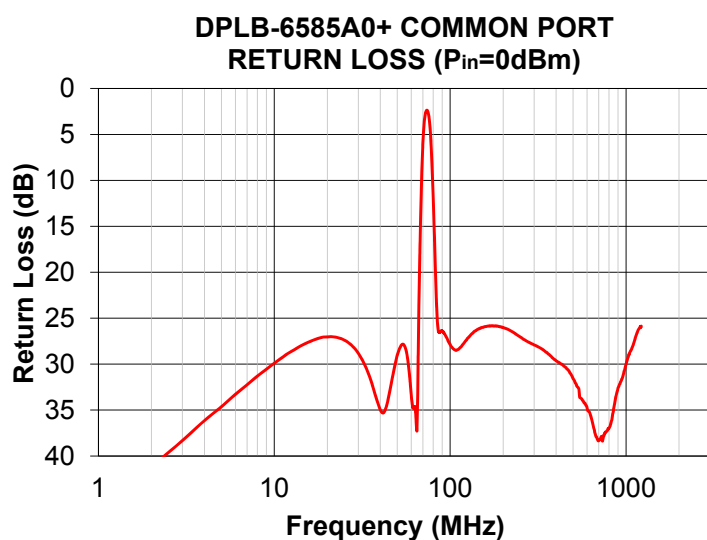
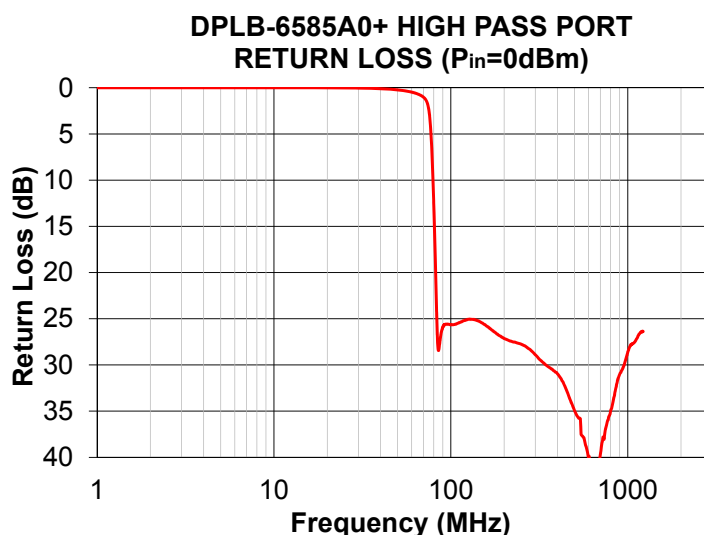
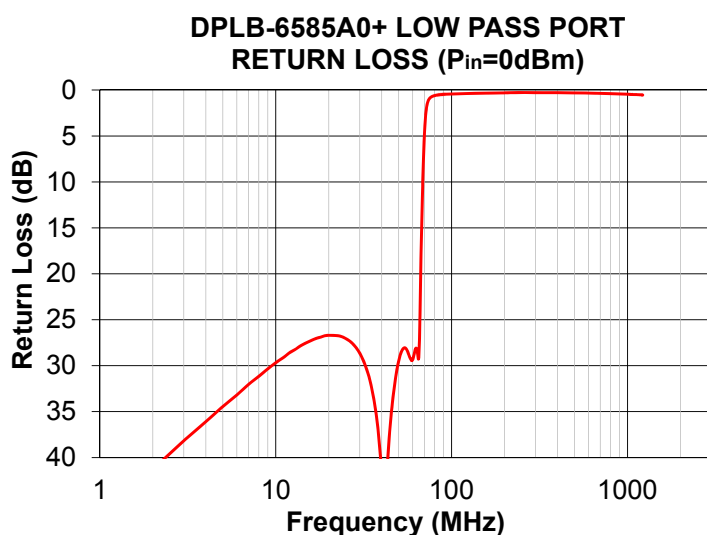
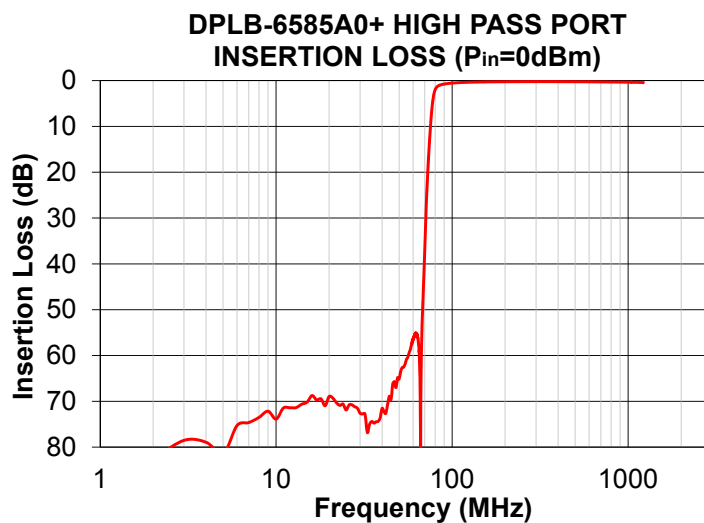
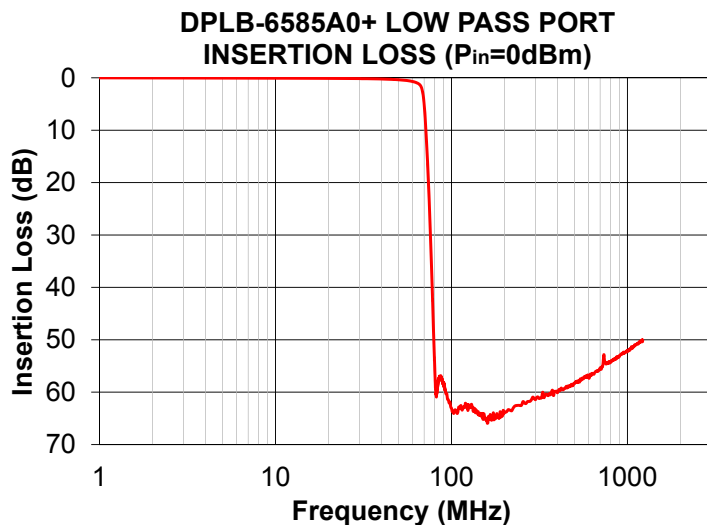
LOW PASS PORT 9

COMMON PORT 18

GROUND 1-6,8,10-17,19,20

Outline Drawing





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