

Surface Mount

Diplexer

DPLB-8510A0+

75Ω DC to 1220 MHz
(DC-85, 102-1220 MHz)



CASE STYLE: PA2002

The Big Deal

- Low insertion loss, 1.1dB Typ.
- High rejection
- Very good return loss, 20dB Typ
- 75Ω Impedance
- Used in DOCSIS 3.1 standard

Product Overview

DPLB-8510A0+ is a Low cost diplexer with the lowpass port at DC-85 MHz and highpass port at 102-1220 MHz. Good return loss combined with high out of channel rejection makes it a ideal part in cable TV and multiband radio systems.

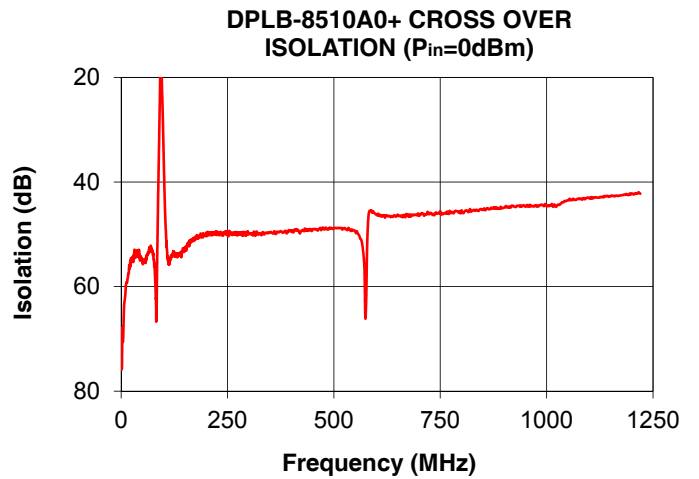
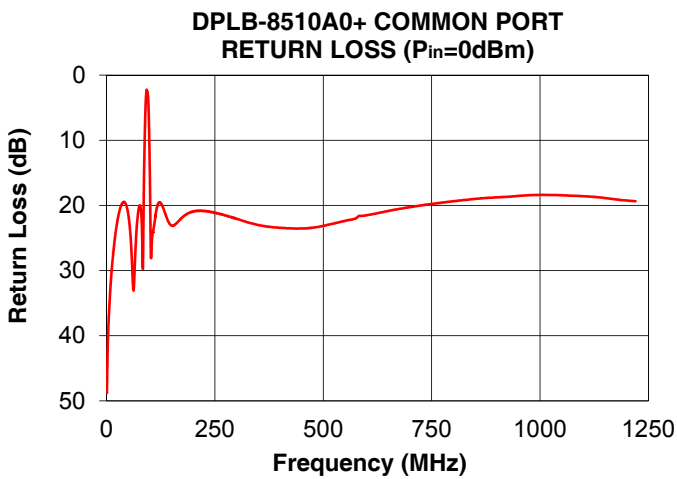
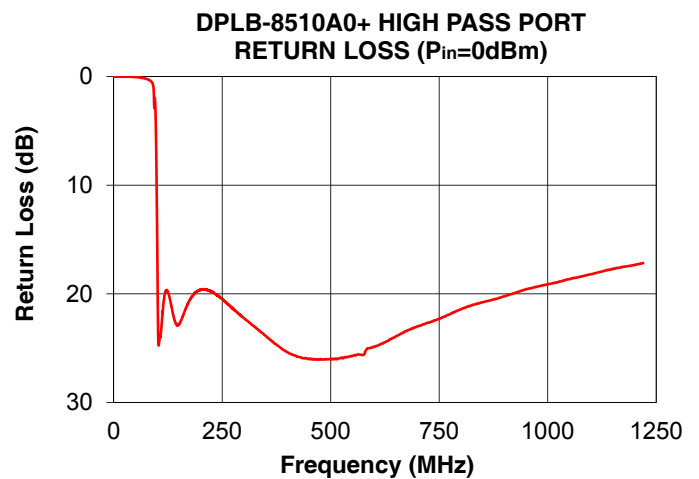
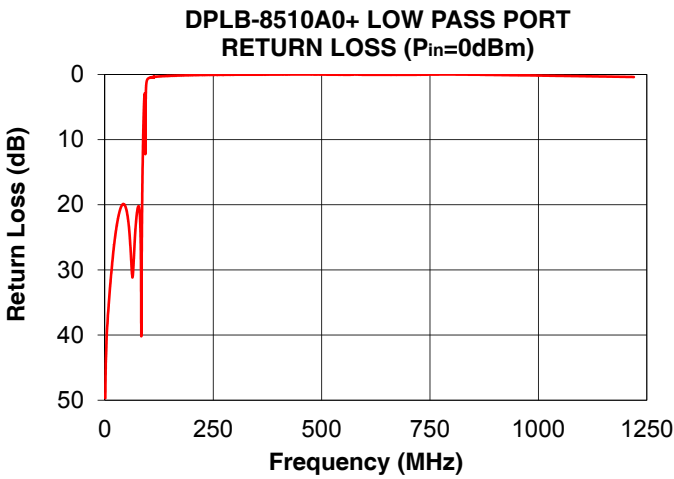
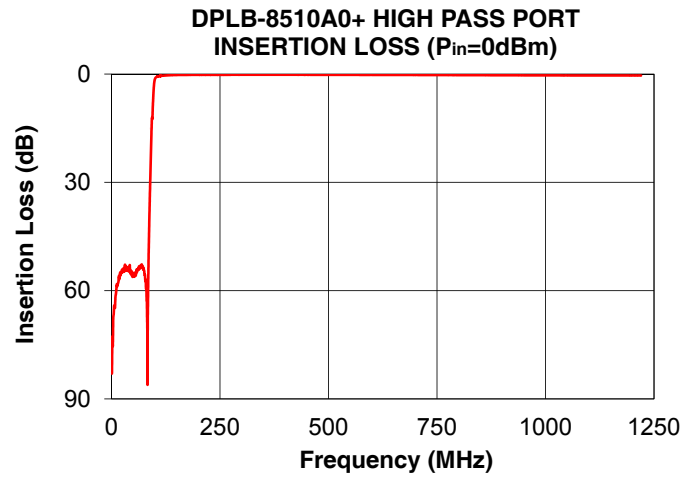
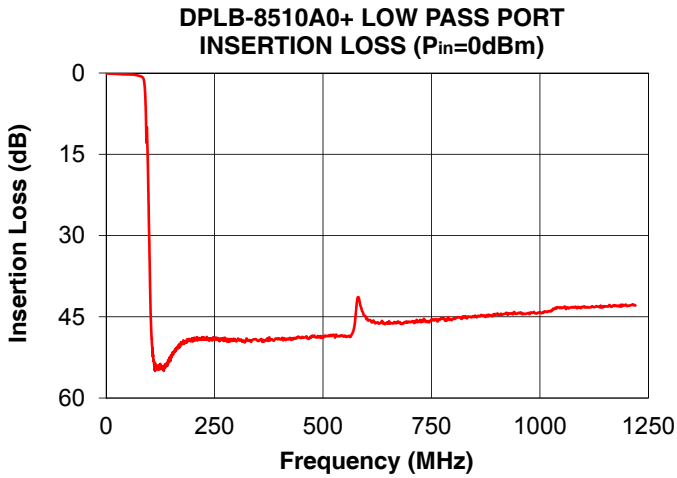
Key Features

Feature	Advantages
Low passband insertion loss	Passband insertion loss 1.1dB ensures low signal loss through both the channels.
Excellent Stopband rejection	Co-channel rejection of 45dB ensures unwanted spurious are eliminated.
Excellent return loss at DC-85 and 102-1220 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.
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