

Wide-Band Diplexer

Prod. No: SC-DPLX-01

Wide-band frequency-selective distribution device  

Overview

This diplexer (SC-DPLX-01) splits high and low cellular frequencies between the 698-787 MHz range and the 824-2200 MHz range. With its wide band design, the SC-DPLX-01 can accommodate many combining solutions between LTE 700 MHz, Cellular 800 MHz, PCS 1900 MHz and AWS 2100 MHz. Provides high level of isolation between ports while keeping the insertion loss very low on both paths.

How it Works

A diplexer is a device that implements frequency domain multiplexing, or splits high and low frequencies through different transmission channels and back into one common port.



Features

- Splits cellular frequencies
- LTE ready
- Low insertion loss
- High level of rejection prevents interference
- Compact with small footprint

Technical specifications

Electrical Data	Specifications	Specifications
	Low	High
Bandwidth	698 ~ 787 MHz	824~ 2200MHz
Insertion Loss	1.5dB	1.5dB
Ripple	1dB Max.	1dB Max.
Return Loss	≤2.0	≤2.0
Input Power	5 W Max.	
Operating Temperature	-40° ~185° (-40°C +85°C)	
In/Out Impedance	50 ohm	