

# SureCall Diplexer Specifications

## SC-DPLX-5G | SC-DPLX-UWB | SC-DPLX-UWB-2

### SC-DPLX-5G

SureCall's diplexer for traditional cellular spectrum is a frequency-selective distribution device that splits high and low frequencies through different channels back into one common port. The diplexer features N-Female connectors for 617-894 MHz and 1710-3900 MHz frequency domain multiplexing.



#### Part # SC-DPLX-5G

Operating Frequencies (MHz)	617-894	1710 - 3900
Insertion Loss (dB)	≤0.5	≤1.1
Isolation (dB)	≥13	≥19
Impedance	50 Ohm	
Connector	N-Female (Waterproof)	
Dimensions	3.8 x 3.5 x 0.8 in	
Weight	9.2 oz	
Operating Temp	-31° to +149°F	
Class of Protection	IP66	

### SC-DPLX-UWB

SureCall's diplexer for 5G C-band spectrum is a frequency-selective distribution device that splits high and low frequencies through different channels back into one common port. The diplexer features N-Female and 4.3-10 Female connector for 617-2690 MHz and 3300-5925 MHz frequency domain multiplexing.



#### Part # SC-DPLX-UWB

Operating Frequencies (MHz)	617-2690	1700-2700	3300-5925
Insertion Loss (dB)	≤2.0		≤3.0
Isolation (dB)	≥21	≥25	
Impedance	50 Ohm		
Connectors	4.3-10 Female / N-Female (Waterproof)		
Dimensions	4.0 x 3.8 x 0.8 in		
Weight	11.3 oz		
Operating Temp	-31° to +149°F		
Class of Protection	IP66		

### SC-DPLX-UWB-2

SureCall's diplexer for 5G C-band spectrum is a frequency-selective distribution device that splits high and low frequencies through different channels back into one common port. The diplexer features N-Female connectors for 617-2690 MHz and 3300-5925 MHz frequency domain multiplexing.



#### Part # SC-DPLX-UWB-2

Operating Frequencies (MHz)	617-2690	3300-5925
Insertion Loss (dB)	≤2.0	≤3.0
Isolation (dB)	≥23	
Impedance	50 Ohm	
Connector	N-Female (Waterproof)	
Dimensions	3.8 x 3.5 x 0.8 in	
Weight	10 oz	
Operating Temp	-31° to +149°F	
Class of Protection	IP66	