

# DDCC2535-2655-70A1

LTE Band-7 Cavity Duplexers

Rev 2- Original Revision Date: August 31, 2015 - Revision Date: September 18, 2015

## Features

- Low Insertion Loss
- High Attenuation
- Compact Size
- N&SMA Connector Mount

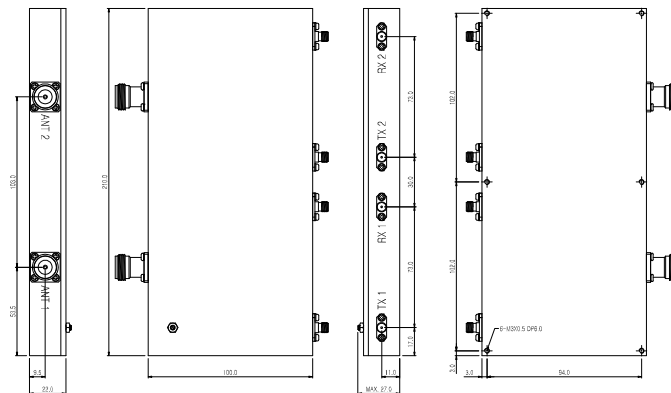
## Descriptions

N&SMA connector mount cavity duplexers developed for LTE band-7 applications.

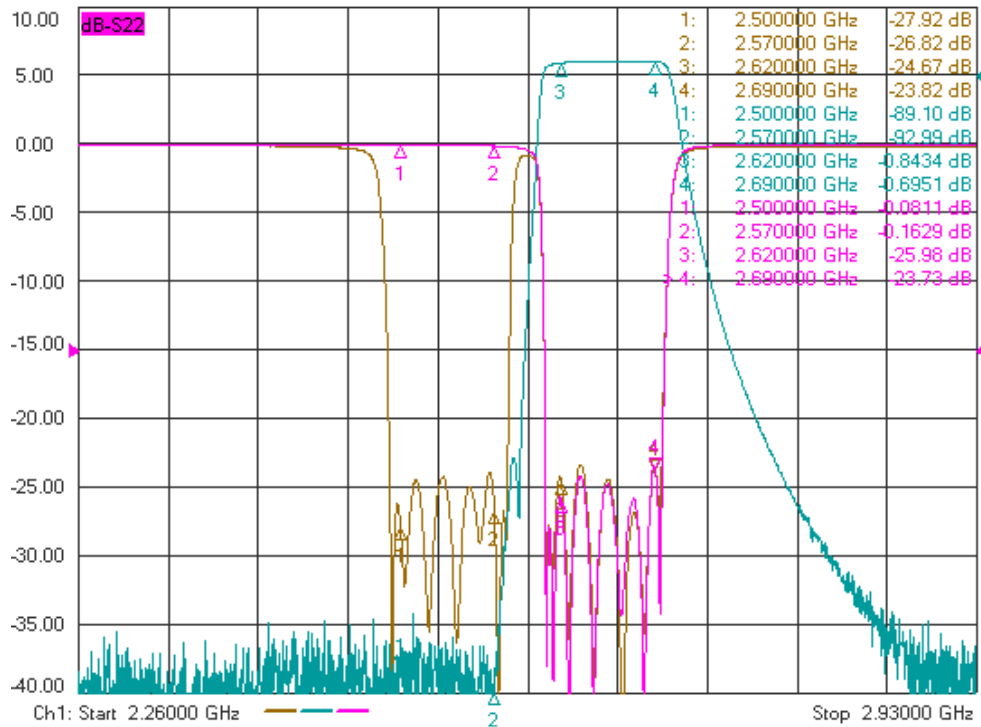
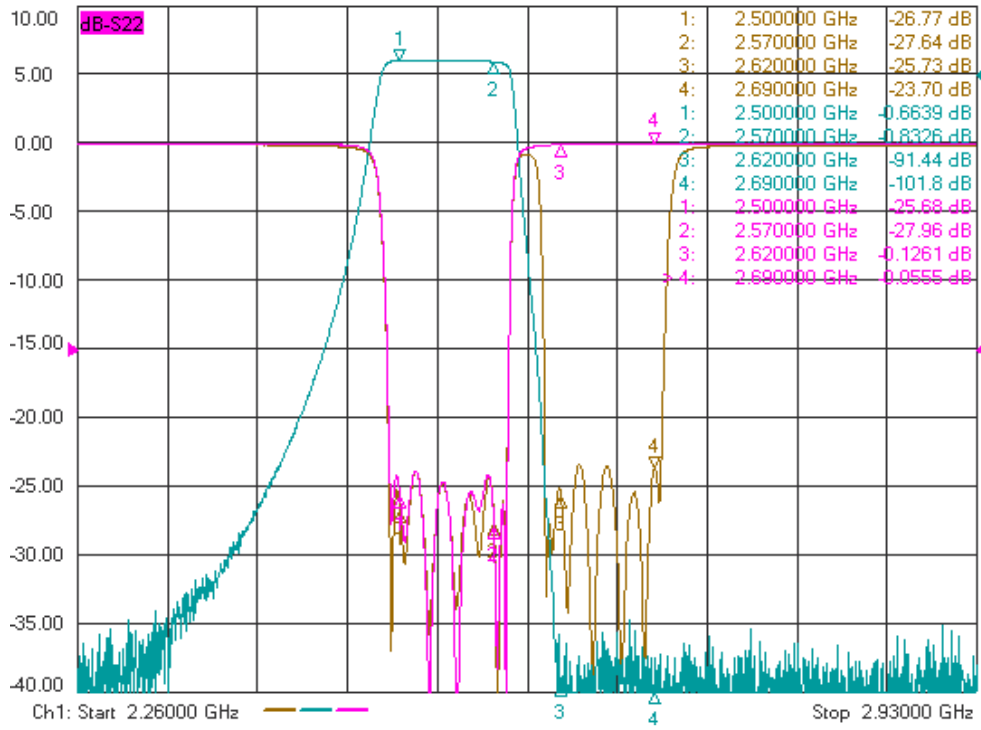
## Electrical Specifications

Parameter	Unit	Specification	
		LOW(RX)	HIGH(TX)
Center Frequency	MHz	2535	2655
Passband Frequency Range	MHz	2500~2570	2620~2690
Insertion Loss in Passband	dB	1.0 (0.6 typ) max	1.0 (0.6 typ) max
Ripple in Passband	dB	0.5 max	0.5 max
Return Loss (VSWR) in Passband	dB	18.0 min	18.0 min
Attenuation at Reject Band	dB	90dB min @ 300KHz~2GHz 90dB min @ 3GHz~4GHz 80dB min @ 4GHz~5.2GHz 35dB min @ 5.2GHz~12GHz	90dB min @ 300KHz~2GHz 65dB min @ 2GHz~2.4GHz 25dB min @ 2.4GHz~2.47GHz 15dB min @ 2.47GHz~2.48GHz 90dB min @ 3GHz~4GHz 80dB min @ 4GHz~5.2GHz 35dB min @ 5.2GHz~12GHz
Isolation	dB	90 min	
Power Handling	Watt	20.0 CW max (200 Peak max @ OFDM)	
In/Out Impedance	Ohm	50	
In/Out Connectors	-	IN: N-Type, OUT: SMA Female	
Operating Temp. Range	°C	-40 ~ +85	
Dimensions	mm	210.0 x 100.0 x 22.0(L x W x H)	
Finish	-	Black Color Epoxy	
RoHS	-	Yes	

## Mechanical Drawing



## Electrical Responses



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