

## Features

- Low Insertion Loss
- High Attenuation
- Cavity Multiplexer
- Connector Mount

## Descriptions

N connector & SMA connector mount cavity multiplexer developed for LTE band-3(DCS) & band-8(GSM) applications.

## Electrical Specifications

Parameter	Unit	Specification			
		E-GSM900		DCS1800	
		RX	TX	RX	TX
Center Frequency	MHz	942.5	897.5	1842.5	1747.5
Passband Frequency Range	MHz	$F_c \pm 17.5$	$F_c \pm 17.5$	$F_c \pm 37.5$	$F_c \pm 37.5$
Insertion Loss in Passband	dB	< 2.0 dB	< 2.0 dB	< 2.0 dB	< 2.0 dB
Ripple in Passband	dB	< 2.0 dB	< 2.0 dB	< 2.0 dB	< 2.0 dB
Return Loss in Passband	dB	> 16.0dB	> 16.0dB	> 16.0dB	> 16.0dB
Attenuation	dB	> 70 dB @ 880~915MHz	> 70 dB @ 925~960MHz	> 70 dB @ 880~915MHz	> 70 dB @ 880~915MHz
		> 70 dB @ 1710~1785MHz	> 70 dB @ 1710~1785MHz	> 70 dB @ 925~960MHz	> 70 dB @ 925~960MHz
		> 70 dB @ 1805~1880MHz	> 70 dB @ 1805~1880MHz	> 70 dB @ 1710~1785MHz	> 70 dB @ 1805~1880MHz
		> 40 dB @920MHz		> 40 dB @1795MHz	
Power Handling	Watt	20 CW max			
In/Out Impedance	Ohm	50			
Operating Temperature	°C	-40 ~ +85			
Connector	-	ANT Port(N-Female) / RX & TX Ports(SMA-Female)			
Dimensions	mm	162 x 131 x 86 (L x W x H)			