

Cavity 6-plexer Combiner [GSM + DCS + UMTS]

P/N : SGC-C62140.0-60NS-KTA

Features

- This type shown is a standard used by SGC to facilitate a low cost, easily reproducible unit

Application

- Repeater & Base Station
- RF Sub-System
- Custom-made Possible

SPECIFICATION

P/N : SGC-C62140.0-60NS-KTA						Date : NOV 8, 2005
Electrical Properties						
Parameter	GSM		DCS		UMTS	
	Tx	Rx	Tx	Rx	Tx	Rx
Pass Band	935 ~ 960MHz	890 ~ 915MHz	1805 ~ 1880MHz	1710 ~ 1785MHz	2110 ~ 2170MHz	1920 ~ 1980MHz
Center Frequency	947.5MHz	902.5MHz	1842.5MHz	1747.5MHz	2140MHz	1950MHz
Bandwidth	25MHz	25MHz	75MHz	75MHz	60MHz	60MHz
Insertion Loss (Max.)	2.0dB	2.0dB	2.0dB	2.0dB	2.0dB	2.0dB
Pass Band Ripple(Max.)	1.0dB	1.0dB	1.2dB	1.4dB	1.0dB	1.4dB
Return Loss (Min.)	18dB	18dB	18dB	18dB	18dB	18dB
Attenuation (Min)	@915MHz : 80dB @1710MHz : 90dB	@935MHz : 80dB	@1785MHz : 80dB @1920MHz : 80dB	@960MHz : 90dB @1805MHz : 80dB	@1980MHz : 80dB	@1880MHz : 80dB @2110MHz : 80dB
Impedance	50Ω					
Connector Port	Tx, Rx	SMA -Type (female)				
	Antenna	N-Type (female)				
Size	205.0 × 145.0 × 73.0 (W × L × H) unit: mm					

Cavity 5-plexer Combiner [Cellular + PCS + WIFI]

Features

- This type shown is a standard used by SGC to facilitate a low cost, easily reproducible unit

Application

- Repeater & Base Station
- RF Sub-System
- Custom-made Possible

P/N : SGC-C51960.0-60NS-KTA

SPECIFICATION

P/N : SGC-C51960.0-60NS-KTA					Date : NOV 4. 2005
Electrical Properties					
Parameter	Cellular		PCS		WIFI
	Tx	Rx	Tx	Rx	Com
Pass Band	869 ~ 894MHz	824 ~ 849MHz	1930 ~ 1990MHz	1850 ~ 1910MHz	2400 ~ 2484MHz
Center Frequency	881.5MHz	836.5MHz	1960MHz	1880MHz	2442MHz
Bandwidth	25MHz	25MHz	60MHz	60MHz	84MHz
Insertion Loss (Max.)	2.0dB	2.0dB	2.0dB	2.0dB	2.0dB
Pass Band Ripple(Max.)	1.0dB	1.0dB	1.2dB	1.5dB	1.0dB
Return Loss (Min.)	18dB	18dB	18dB	18dB	18dB
Attenuation (Min)	@849MHz : 80dB @1850MHz : 90dB	@869MHz : 80dB	@1910MHz : 80dB @2400MHz : 90dB	@894MHz : 90dB @1930MHz : 70dB	@1990MHz : 90dB
Impedance	50Ω				
Connector Port	Tx, Rx, Com	SMA -Type (female)			
	Antenna	N-Type (female)			
Size	182.0 × 145.0 × 73.0 (W × L × H) unit: mm				

Cavity 5-plexer Combiner [GSM + DCS + WIFI]

Features

- This type shown is a standard used by SGC to facilitate a low cost, easily reproducible unit

Application

- Repeater & Base Station
- RF Sub-System
- Custom-made Possible

P/N : SGC-C51842.5-75NS-KTA

SPECIFICATION

P/N : SGC-C51842.5-75NS-KTA			Date : NOV 4. 2005		
Electrical Properties					
Parameter	GSM		DCS		WIFI
	Tx	Rx	Tx	Rx	Com
Pass Band	935 ~ 960MHz	890 ~ 915MHz	1805 ~ 1880MHz	1710 ~ 1785MHz	2400 ~ 2484MHz
Center Frequency	947.5MHz	902.5MHz	1842.5MHz	1747.5MHz	2442MHz
Bandwidth	25MHz	25MHz	75MHz	75MHz	84MHz
Insertion Loss (Max.)	2.0dB	2.0dB	2.0dB	2.0dB	2.0dB
Pass Band Ripple(Max.)	1.0dB	1.0dB	1.5dB	1.5dB	1.0dB
Return Loss (Min.)	18dB	18dB	18dB	18dB	18dB
Attenuation (Min)	@915MHz : 80dB @1710MHz : 90dB	@935MHz : 80dB	@1785MHz : 80dB @2400MHz : 90dB	@960MHz : 90dB @1805MHz : 78dB	@1880MHz : 90dB
Impedance	50Ω				
Connector Port	Tx, Rx, Com	SMA -Type (female)			
	Antenna	N-Type (female)			
Size	182.0 × 145.0 × 73.0 (W × L × H) unit: mm				

Cavity 4-plexer Combiner [GSM + UMTS]

P/N : SGC-C42150-60NS-KTS

Features

- This type shown is a standard used by SGC to facilitate a low cost, easily reproducible unit

Application

- Repeater & Base Station
- RF Sub-System
- Custom-made Possible

SPECIFICATION

P/N : SGC-C42150-60NS-KTS			Date : NOV 28, 2005	
Electrical Properties				
Parameter	GSM		UMTS	
	Tx	Rx	Tx	Rx
Pass Band	935 ~ 960MHz	890 ~ 915MHz	2110 ~ 2170MHz	1920 ~ 1980MHz
Center Frequency	947.5MHz	902.5MHz	2140MHz	1950MHz
Bandwidth	25MHz	25MHz	60MHz	60MHz
Insertion Loss (Max.)	2.0dB	2.0dB	2.0dB	2.0dB
Pass Band Ripple(Max.)	1.0dB	1.0dB	1.0dB	1.0dB
Return Loss (Min.)	20dB	20dB	20dB	20dB
Attenuation (Min.)	@925MHz : 50dB		@2045MHz : 50dB	
Isolation(Min.)	80dB	80dB	80dB	80dB
Coupling Port	Rx, Tx for GSM : -25dB±2.0dB			
Impedance	50Ω			
Connector Port	Tx, Rx	SMA -Type (female)		
	Coupling	SMA -Type (female)		
	Antenna	N-Type (female)		
Size	223.0 × 103.0 × 69.0 (W × L × H)			unit: mm

Cavity 4-plexer Combiner [Cellular + PCS]

Features

- This type shown is a standard used by SGC to facilitate a low cost, easily reproducible unit

Application

- Repeater & Base Station
- RF Sub-System
- Custom-made Possible

P/N : SGC-C41960-60NS-KTS

SPECIFICATION

P/N : SGC-C41960-60NS-KTS			Date : SEP 23, 2005	
Electrical Properties				
Parameter	Cellular		PCS	
	Tx	Rx	Tx	Rx
Pass Band	869 ~ 894MHz	824 ~ 849MHz	1930 ~ 1990MHz	1850 ~ 1910MHz
Center Frequency	881.5MHz	836.5MHz	1960MHz	1880MHz
Bandwidth	25MHz	25MHz	60MHz	60MHz
Insertion Loss (Max.)	2.0dB	2.0dB	2.0dB	2.0dB
Pass Band Ripple(Max.)	1.0dB	1.0dB	1.0dB	1.0dB
Return Loss (Min.)	20dB	20dB	20dB	20dB
Attenuation (Min.)	@859MHz : 60dB		@1920MHz : 60dB	
Isolation(Min.)	90dB	90dB	90dB	90dB
Impedance	50Ω			
Connector Port	Tx, Rx	SMA -Type (female)		
	Antenna	N-Type (female)		
Size	223.0 × 129.3 × 69.0 (W × L × H)			unit: mm

Cavity 4-plexer Combiner [EGSM + DCS]

Features

- This type shown is a standard used by SGC to facilitate a low cost, easily reproducible unit

Application

- Repeater & Base Station
- RF Sub-System
- Custom-made Possible

P/N : SGC-C41842.5-75NS-KTS

SPECIFICATION

P/N : SGC-C41842.5-75NS-KTS				Date : NOV 25, 2005	
Electrical Properties					
Parameter	EGSM		DCS		
	Tx	Rx	Tx	Rx	
Pass Band	925 ~ 960MHz	880 ~ 915MHz	1805 ~ 1880MHz	1710 ~ 1785MHz	
Center Frequency	942.5MHz	897.5MHz	1842.5MHz	1747.5MHz	
Bandwidth	35MHz	35MHz	75MHz	75MHz	
Insertion Loss (Max.)	2.0dB	2.0dB	2.0dB	2.0dB	
Pass Band Ripple(Max.)	1.0dB	1.5dB	1.5dB	1.0dB	
Return Loss (Min.)	20dB	20dB	20dB	20dB	
Attenuation (Min.)	@920MHz : 30dB		@1795MHz : 35dB		
Isolation(Min.)	70dB	70dB	70dB	70dB	
Coupling Port	Rx, Tx for EGSM : -25dB±2.0dB				
Impedance	50Ω				
Connector Port	Tx, Rx	SMA -Type (female)			
	Coupling	SMA -Type (female)			
	Antenna	N-Type (female)			
Size	230.0 × 213.0 × 69.0 (W × L × H) unit: mm				