

Specification Datasheet (@25 °C)

Model/Part Number	DUP-DCS75-01-ETL	
Parametre	Specification	
Frequency Range(MHz)	Rx	Tx
		1710-1785
Passband Insertion Loss(dB)	0.8 max	0.8 max
Passband Return Loss (dB)	18 min	18 min
Passband to Passband Isolation(dB)	75 min	
Rejection(dB)	75@1805-1880MHz	75@1710-1785MHz
Passband Ripple(in band/dB)	0.5	
CW	100	
Peak Power(W)	800	
3 rd Intermod(dBm)	100 min with two 43dBm tones	
Connector Type	N-F	
Operating Temperature	-20 to +70 °C	
Dimension(mm)	223.5*165.7*49.5(excluding connectors & screws)	

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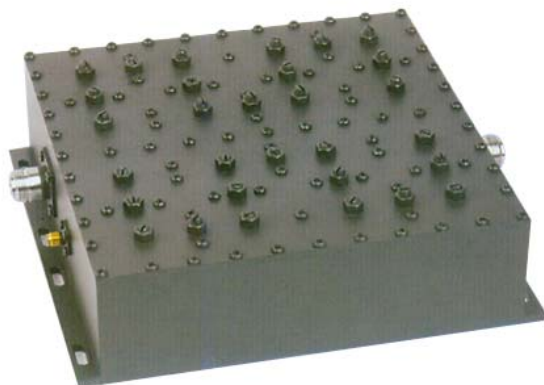
Specification Datasheet (@25°C)

Specification Datasheet (@25°C)		
Model/Part Number	DUP-EGSM35-226-ETL	
Parametre	Specification	
Frequency Range(MHz)	Rx	Tx
		880-915
Passband Insertion Loss(dB)	1.0 max	1.0 max
Passband Return Loss(dB)	18 min	18 min
Passband to Passband Isolation(dB)	70 min	
Rejection(dB)	70@925-960MHz	70@880-915MHz
Passband Ripple(in band/dB)	0.6 max	
CW	100	
Peak Power(W)	800	
3 rd Intermod(dBm)	100 min with two +43dBm tones	
Connector Type	N Female	
Operating Temperature	-20 to +70 °C	
Dimension(mm)	200*162*58(excluding connectors & screws)	

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Specification Datasheet (@25°C)

Model/Part Number	DUP-CDMA10-01-ETL	
Parametre	Specification	
Frequency Range(MHz)	Rx	Tx
		825-835
Passband Insertion Loss(dB)	1.6 max	1.6 max
Passband Return Loss (dB)	20 min	20 min
Passband to Passband Isolation (dB)	min 75	
Rejection(dB)	75@870-880MHz	75@825-835MHz
Passband Ripple(in band/dB)	0.8 max	
CW	100	
Peak Power(W)	500	
3 rd Intermod(dBm)	100 min with two 43dBm tones	
Connector Type	SMA -F/N-F	
Operating Temperature	-40 to +70 °C	
Dimension(mm)	176*137.5*66(excluding connectors & screws)	

Note: Japanese CDMA band is available at request.

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Specification Datasheet (@25°C)

Model/Part Number	DUP-60-402-V1-ETL	
Parametre	Specification	
Frequency Range(MHz)	Rx	Tx
		1850-1910
Passband Insertion Loss(dB)	1.0 max	1.0 max
Passband Return Loss(dB)	18 min	18 min
Passband to Passband Isolation (dB)	60 min	
Rejection	60@1930-1990MHz	60@1850-1910MHz
Passband Ripple(in band/dB)	0.5 max	
CW	50	
Peak Power(W)	500	
3 rd Intermod(dBm)	100min with two +43dBm tones	
Connector Type	N -F	
Operating Temperature	-30 to +70 °C	
Dimension(mm)	132*132*31(excluding connectors & screws)	

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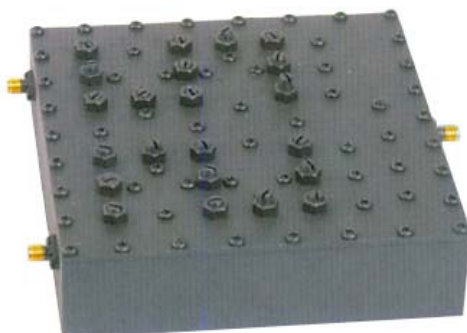
Specification Datasheet (@25°C)

Model/Part Number	DUP-AMPS824894-60-01-ETL	
Parametre	Specification	
Frequency Range(MHz)	Rx	Tx
		824-849
Passband Insertion Loss(dB)	0.8 max	1.0 max
Passband Return Loss(dB)	18 min	18 min
TX(Passband) to RX(Passband) Isolation(dB)	75 min	
Rejection(Ant to Rx/Tx) (dB)	75@824-1990MHz	75@869-894MHz
Passband Ripple(in band/dB)	0.5 max	
CW	100	
Peak Power(W)	800	
3 rd Intermod(dB)	110min with two +43dBm tones	
Connector Type	N -F	
Operating Temperature	-40 to +70 °C	
Dimension(mm)	268*280*69(excluding connectors & screws)	

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Specification Datasheet (@25°C)

Model/Part Number	DUP-WCDMA60-01-ETL	
Parametre	Specification	
Frequency Range(MHz)	Rx	Tx
		1920-1980
Passband Insertion Loss(dB)	1.0 max	1.0 max
Passband Return Loss(dB)	18 min	18 min
Passband to Passband Isolation(dB)	80min	
Rejection(dB)	50@DC-1900MHz 75@2110-2170MHz 40@ 2170-3980MHz	75@1920-1980
Passband Ripple(dB)	0.5	
CW	100	
Peak Power(W)	800	
3 rd Intermod(dBm)	100 min with two +43dBm tones	
Connector Type	N –F	
Operating Temperature	-20 to +70 °C	
Dimension(mm)	144*80*36(excluding connectors & screws)	

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Specification Datasheet (@25°C)

Model/Part Number	DUP-84167-V121-ETL	
Parametre	Specification	
Frequency Range(MHz)	Rx	Tx
		380-385
Passband Insertion Loss(dB)	1.2 max	1.2 max
Passband Return Loss(dB)	22min	22 min
Passband to Passband Isolation(dB)	80 min	
Rejection(@71.85MHz Rx/Tx/dB)	80@MHz min	80@MHz min
Passband-band Ripple(dB)	0.5max	
CW	80	
Peak Power(W)	600	
3 rd Intermod(dBm)	110 min with two +43 tones	
Connector Type	SMA-F(Rx ports) N -F(Ant. & Tx port)	
Operating Temperature	-40 to +70 °C	
Dimension(mm)	223*168*88(excluding connectors & screws)	

Note:Except for this example, all other Tetra frequencies are available.

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ISM5.8 GHz Cavity Duplexer



Specification Datasheet (@25°C)

Model/Part Number	DUP-ISM5800-55-01-ETL	
Prametre	Specification	
Frequency Range(MHz)	Rx	Tx
		5725-5780
Passband Insertion Loss (dB)	≤2.0	≤2.0
Passband Return Loss (dB)	≥15	≥15
Out Band Attenuation(dB)	50@500-1500MHz	50@500-1500MHz
	40@550-1500MHz	40@1500-5650MHz
	60@5550-5650MHz	60@5650-5780MHz
	60@5820-6000MHz	40@5950-6500MHz
	50@6000-9000MHz	50@6500-9000MHz
Tx/Rx Isolation(dB)	60 min	
Passband Ripple(dB)	≤1.0	
Power(CW)	50W Max	
Peak	500W	
IN/OUT Impedance	50 Ohm nominal	
Connector	SMA-F	
Dimension(mm)	116*88*16(excluding connectors & screws)	

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Specification Datasheet (@25°C)

Model/Part Number	DUL-WTR-212-ETL		
Parametre	Specification		
	Duplexer		Filter
Frequency Range(MHz)	RxD	Tx	RxM
		1920-1980	2110-2170
Passband Insertion Loss (dB)	≤1	≤1	≤1
Passband Return Loss (dB)	≥15	≥15	≥15
Passband to Passband Isolation (dB)	75	75	----
Rejection (dB)	50@DC-1900MHz 75@2110-2170 MHz 40@2170-3980 MHz	75@DC-1980MHz 50@2190-3980MHz	50@DC-1900MHz 50@2110-3500 MHz
Passband Ripple(dB)	+/-0.15 (5MHz)	+/-0.15 (5MHz)	+/-0.15 (5MHz)
CW(W)	50	50	50
Peak Power(W)	500	500	500
Dimension(mm)	135*150*30(excluding connectors & screws)		

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Specification Datasheet (@25°C)

Model/Part Number	DUL-EGSM35-216-ETL		
Parametre	Specification		
	Duplexer		Filter
Frequency Range(MHz)	RxD	Tx	RxM
		880~915	925~960
Passband Insertion Loss (dB)	≤1.1	≤1.1	≤1.1
	≤1.15 (Temp)	≤1.15 (Temp)	≤1.15 (Temp)
Passband Return Loss (dB)	≥15	≥15	≥15
Passband to Passband Isolation (dB)	75	75	----
Rejection (dB)	≥50@DC~845MHz ≥75@925~2000 MHz ≥30@2000~2880 MHz	≥75@DC~915MHz ≥75@1050~2000 MHz	45@DC~832.5MHz 20@925~935MHz 70@935~960MHz 60@960~3000MHz
Passband Ripple(dB)	+/-0.15 (5MHz)	+/-0.15 (5MHz)	+/-0.15 (5MHz)
Operating Temp	-20~+70		
CW(W)	50	50	50
Peak Power(W)	500	500	500
Connector	SMA(F)	SMA(F)	SMA(F)
Dimension(mm)	178*148*50(excluding connectors & screws)		

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Specification Datasheet (@25°C)

Specification Datasheet (@25°C)			
Model/Part Number	DUL-GSM75-216-ETL		
Parametre	Specification		
	Duplexer		Filter
Frequency Range(MHz)	RxD	Tx	RxM
		1710-1785	1805-1880
Passband Insertion Loss (dB)	≤1.1	≤1.1	≤1.1
Passband Return Loss (dB)	≥15	≥15	≥15
Passband to Passband Isolation (dB)	80	80	----
Rejection (dB)	50@DC-1630MHz 80@1805-1880 MHz 40@1880-4500 MHz	75@DC-1785MHz 50@2190-3980MHz	50@DC-1615MHz 50@1805-2700 MHz
Passband Ripple(dB)	+/-0.15 (5MHz)	+/-0.15 (5MHz)	+/-0.15 (5MHz)
CW(W)	20	20	20
Peak Power(W)	200	200	200
Operating Temp	-20-+70°C		
Connector	SMA-F	SMA-F	SMA-F
Dimension(mm)	165*121*55(excluding connectors & screws)		

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Specification Datasheet(@25°C)

Model/Part/Number	DUP-55-ISM5.8-401-V1.0-ETL		
Parametre	Specification		
Frequency (MHz)	RxD	Tx	RxM
		5725-5780	5820-5875
Bandwidth (MHz)	55		
Passband Insertion Loss (dB)	≤2.0		
Passband Return Loss (dB)	≥15	≥15	≥15
Out Band Attenuation(dB)	50@500-1500MHz	50@500-1500MHz	50@500-1500MHz
	40@1500-5550MHz	40@1500-5650MHz	40@1500-5650MHz
	60@5550-5650MHz	60@5650-5780MHz	60@5650-5780MHz
	60@5820-6000MHz	60@5950-6500MHz	40@5950-6000MHz
	50@6000-9000MHz	50@6500-9000MHz	50@6000-9000MHz
Tx/Rx Isolafion	60dB min		
Passband Ripple(dB)	≤1.0		
Power(CW)	10 W Max		
IN/OUT Impedance	50 Ohm nominai		
Connector	SMA-F		
Dimension(mm)	172*88*16(excluding connectors & screws)		

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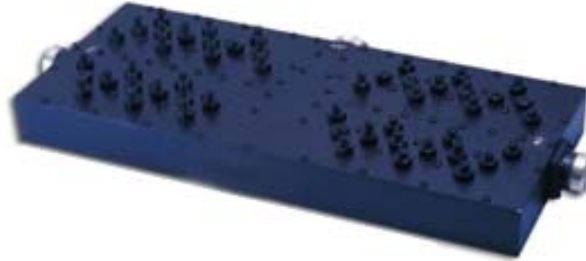
Specification datasheet(@25C)

Model/Part Number	DUL-ISM2400-84264-ETL		
Parameter	Specification		
	Duplexer		Filter
Frequency (MHz)	RxD	Tx	RxM
		2400-2438	2445-2483.5
Bandwidth (MHz)	38	38.5	38
Passband Insertion Loss (dB)	≤2.0		
Passband Return Loss (dB)	≥15	≥15	≥15
Out Band Attenuation(dB)	50@500-1500MHz	50@500-2400MHz	50@500-1500MHz
	40@1500-2380MHz	40@2400-2438MHz	40@1500-2380MHz
	40@2445-9000MHz	60@2500-9000MHz	40@2445-9000MHz
Tx/Rx Isolafion	≥40dB		
Passband Ripple(dB)	≤1.0		
Power(CW)	1W Max		
IN/OUT Impedance	50 Ohm nominal		
Operating Temp	-20- +70°C		
Connector	SMA-F(ANT TX RX)		
Dimension(mm)	225*124*32.5(excluding connectors & screws)		

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Specification Datasheet (@25°C)

Model/Part Number	DUL-GSM-UMTS-001-ETL	
Parametre	Specification	
	Rx	Tx
Frequency Range (MHz)	1710-1785 1920-1980	1805-1880 2110-2170
Passband Insertion Loss (dB)	1.2 max	1.2 max
Passband Return Loss (dB)	15 min	15 min
Passband to Passband Isolation (dB)	55 min	
Passband Ripple(in band/dB)	0.8dB max	
CW (W)	100	
Peak Power(W)	800W	
3 rd Intermod (dBm)	100min with two 43dBm tones	
Connector Type	7/16-F	
Operating Temperature	-20 to +70 °C	
Dimension (mm)	360*160*59(excluding screws & connectors)	

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