



Giga-concept propose a new ceramic multiplexer

CERAMICS MULTIPLEXER



GSM

Electrical Parameters								
Parameter	UPLINK		UPLINK		DOWNLINK		DOWNLINK	
Center Frequency	815[MHz]		899[MHz]		860[MHz]		938[MHz]	
Frequency Range	806~824 [MHz]		896~902[MHz]		851~869 [MHz]		935~941 [MHz]	
Pass Band Insertion Loss	2.5[dB](MAX)		2.5(2.8)[dB](MAX)		2.5(2.8)[dB](MAX)		2.5(2.8)[dB](MAX)	
Pass Band Ripple (P-P)	0.8[dB] (MAX)		0.8[dB] (MAX)		0.8[dB] (MAX)		0.8[dB] (MAX)	
Pass Band Return Loss	-15[dB](MIN)		-15[dB](MIN)		-15[dB](MIN)		-15[dB](MIN)	
Attenuation	Frequency [MHz]	Attenuation [dBc](Min)	Frequency [MHz]	Attenuation [dBc](Min)	Frequency [MHz]	Attenuation [dBc](Min)	Frequency [MHz]	Attenuation [dBc](Min)
			806~824	48	806~824	40	806~824	45
	896~902	50			896~902	40	896~902	50
	851~869	50	851~869	42			851~869	50
	935~941	50	935~941	50	935~941	45		
	837.5	10	837.5	50	837.5	20	837.5	40
	879.5	50	879.5	25	879.5	8	879.5	50
	918.5	50	918.5	25	918.5	40	918.5	30
1710~2170	10	1710~2170	10	1710~2170	10	1710~2170	10	
Isolation Between Filters	40[dB] (Min) (Rx1 to Tx1 and Rx2 to Tx2)							
Ultimate Stop Band In/Out Impedance	70[dB](Min) 10[MHz] -2.5[GHz] (not possible, 10MHz ~ 2.5GHz is in band)							
Power	50[ohm]							
In/Out Ports	4[WCW]							
Operation Temperature	SMT CONNECTION							
Size	-20 + 70°C							
	85 x 25 x 9.5 mm							

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