

LTCC CERAMIC FILTERS, BALUNS AND CHIP ANTENNA

LTCC RF Filter	Band Pass Filter									
	Bluetooth / Wi-Fi / Zigbee				Wi-Fi		Wi-MAX / TD-LTE			
	2.45 GHz				5 GHz		2.3 GHz	2.5 GHz	2.6 GHz	3.5 GHz
	2520 (1008)	2012 (0805)	1608 (0603)	1005 (0402)	2012 (0805)	1608 (0603)	1608 (0603)	2012 (0805)	1608 (0603)	1608 (0603)

LTCC RF Filter	Low Pass Filter						IPD	CPL (Coupler)	
	Bluetooth / Wi-Fi / Zigbee			Wi-Fi	Wi-MAX / TD-LTE			Bluetooth / Wi-Fi	Bluetooth / Wi-Fi / Mobile
	2.45 GHz			5 GHz	2.5 GHz	2.6 GHz	3.5 GHz	2.45 GHz - 5 GHz	Variable Frequency
	2012 (0805)	1608 (0603)	1005 (0402)	1608 (0603)	1608 (0603)	1608 (0603)	1608 (0603)	2520	1608 / 1005

RF Filter	Balanced Filter (Balun Filter)				Diplexer		Balun	Balun				
	Bluetooth / Wi-Fi		Wi-Max		Wi-Fi			Bluetooth / Wi-Fi / Zigbee			Wi-Max	
	2.45 GHz		5 GHz	2.5 GHz	2.6 GHz	3.5 GHz		2.45 GHz			5 GHz	2.5 GHz
	2012 (0805)	1608 (0603)	1005 (0402)	1608 (0603)	1608 (0603)	1608 (0603)		1608 (0603)	2012 (0805)	1608 (0603)	1005 (0402)	2012 (0805)

Common Mode Filter	Discrete				Array		
	USB 2.0 / IEEE 1394 / LVDS			HDMI / LVDS / DVI / PCI-E	USB2.0 / IEEE 1394 / LVDS		HDMI / LVDS / DVI / PCI-E
	1632 (0612)	1220 (0508)	1210 (0504)	2012 (0805)	1210 (0504)	2010 (0804)	

Antenna	Chip Antenna									
	GPS		Bluetooth / Wi-Fi / Zigbee						Wi-Fi	WiMax
	1.575 GHz		2.45 GHz						2.4/5 GHz	2.6 / 3.5 GHz
	1003	3216	3216	5220	7635	8010	1204	1903	9937	6050

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