

## **PRODUCTS LINEUP - PART 1**

Crystal Resonator, Oscillator, Radio frequency (RF) filters are key components in any wireless system and as these systems continue to be miniaturized, the pressure on filter technology to shrink as well without compromising performance continues.

Handheld systems and their associated volumes have generated strong interest in filter technologies that show promise for lower cost and smaller size.

Today's wireless devices must not only reject signals from other services but from themselves, too, as the number of bands packed inside each device increases.

A high-end smartphone must filter the transmit and receive paths for 2G, 3G, and 4G wireless access methods in up to 15 bands, as well as Wi-Fi, Bluetooth and the receive path of GPS receivers. Signals in the receive paths must be isolated from one another. They also must reject other extraneous signals whose causes are too diverse to list.

To do so, a multi-band smartphone will require eight or nine filters and eight duplexers. Without acoustic filter, Crystal and and Oscillator technology, it would be impossible.

Dedicated for different application we introduce in the news paper "PRODUCTS LINEUP – PART 1 PRODUCTS" suitable components for GNSS (GPS) Applications



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PIM	FREQUENC	NSERTION	OSS BAND WI	JTH C	SIZE
	FREQU	INSERTION	BAND.		
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GPS SAW					
TA1804A	1.582.469 MHz	1.1 dB	46.834 MHz	1.1 x 0.9 mm	
TA1954A (GPS+GLONASS+COMPASS)	1582.47 MHz	1.2 dB	46.84 MHz	1.1 x 0.9 mm	
TA1425A (GPS band)	1574.42 MHz	0.8 dB	2 MHz	1.4 x 1.1 mm	
TA0757B (GPS band)	1575.42 MHz	0.9 dB	2 MHz	1.4 x 1.1 mm	
TA1343A (GPS+GLONASS+GALILEO+BEIDOU)	1583 MHz	1.2 dB	46.79 MHz	1.4 x 1.1 mm	
TA1343B (GPS+GLONASS+GALILEO+BEIDOU)	1583 MHz	1.2 dB	46.79 MHz	1.4 x 1.1 mm	AEC-Q200
TA1661A (GPS+GLONASS+GALILEO+BEIDOU)	1583 MHz	1.8 dB	46.79 MHz	1.4 x 1.1 mm	AEC-Q200
TA1267A (GPS+GLONASS)	1.588.655 MHz	1.25 dB	34.47 MHz	1.4 x 1.1 mm	
TA1267E (GPS+GLONASS)	1.588.655 MHz	1.25 dB	34.47 MHz	1.4 x 1.1 mm	AEC-Q200
TA1901A	1587.5 MHz	2 dB	57 MHz	2.0 x 1.6 mm	AEC-Q200
TA1745A	1583 MHz	1.8 dB	46.79 MHz	2.0 x 1.6 mm	AEC-Q200
TA1658A (GNSS)	1582.4 MHz	1.7 dB	46.61 MHz	3.0 x 3.0 mm	AEC-Q200
TA1925A (GPS+GLONASS L2)	1234.4 MHz	3.3 dB	45 MHz	3.0 x 3.0 mm	AEC-Q200
TAO440A (Car Antenna)	1575.42 MHz	2.9 dB	2 MHz	3.0 x 3.0 mm	AEC-Q200
TA1785A	1583 MHz	1.8 dB	46.79 MHz	3.0 x 3.0 mm	AEC-Q200
TA0676A	1592.5 MHz	2.6 dB	43 MHz	3.0 x 3.0 mm	AEC-Q200
TA1442A (BEIDOU)	2492 MHz	1.55 dB	5 MHz	3.0 x 3.0 mm	AEC-Q200
TA1924A (GPS L5+GLONASS E5)	1191.8 MHz	3.5 dB	55 MHz	3.8 x 3.8 mm	AEC-Q200

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