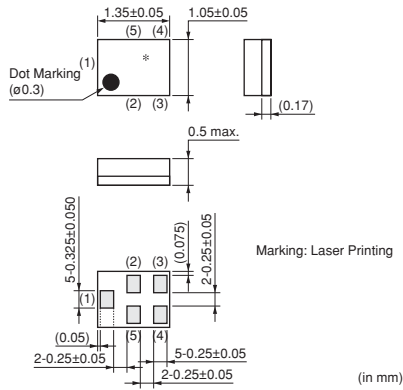


# SAW Filters for Mobile Communications

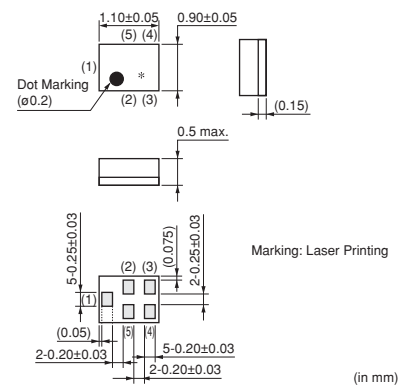


## RF Filters

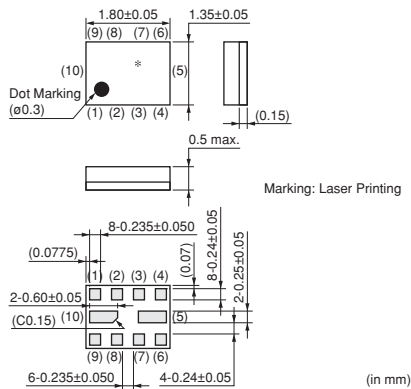
### ●SAFEA Series



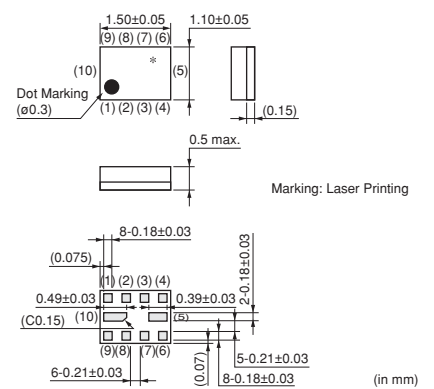
### ●SAFFB Series



### ●SAWEN Series




### ●SAWFD Series



Part Number	Application	Size (mm)	Layout	Center Freq. (MHz)	I.L. (dB max.)	In Band Ripple (dB max.)	Impedance
SAFEA2G14FF0F00	Band1	1.35 x 1.05	Balanced	2140	3.0 (2110 to 2170MHz)	2.0 (2110 to 2170MHz)	50-100ohm
SAFFB2G14FA0F0A	Band1	1.1 x 0.9	Balanced	2140	2.5 (2110 to 2170MHz)	2.0 (2110 to 2170MHz)	50-100ohm
SAFEA1G96FR0F00	Band2 BC1	1.35 x 1.05	Balanced	1960	4.2 (1930 to 1990MHz) 4.0 (1930.48 to 1989.52MHz)	2.5 (1930 to 1990MHz)	50-100ohm
SAFFB1G96FN0F0A	Band2 BC1	1.1 x 0.9	Balanced	1960	4.0 (1930.48 to 1989.52MHz)	2.5 (1930.48 to 1989.52MHz)	50-100ohm
SAFEA881MFR0F00	Band5 BC0	1.35 x 1.05	Balanced	881.5	2.5 (869 to 894MHz)	1.0 (869 to 894MHz)	50-100ohm
SAFFB881MFL0F0A	Band5 BC0	1.1 x 0.9	Balanced	881.5	1.8 (869 to 894MHz)	1.0 (869 to 894MHz)	50-150ohm
SAFEA942MFR0F00	Band8	1.35 x 1.05	Balanced	942.5	4.5 (925 to 960MHz) 4.2 (925.48 to 959.52MHz)	3.0 (925 to 960MHz)	50-100ohm
SAFFB942MFM0F0A	Band8	1.1 x 0.9	Balanced	942.5	4.5 (925 to 960MHz) 4.2 (925.48 to 959.52MHz)	3.5 (925 to 960MHz)	50-100ohm
SAFEA1G58KA0F00	GPS/GLONASS	1.35 x 1.05	Unbalanced	1575.42/1602	1.8 (1565.42 to 1585.42MHz) 1.3 (1574.42 to 1576.42MHz) 1.7 (1597.55 to 1605.89MHz)	1.5 (1565.42 to 1605.89MHz)	50-50ohm
SAFEA1G58FB0F00	GPS/GLONASS	1.35 x 1.05	Balanced	1575.42/1602	1.8 (1565.42 to 1585.42MHz) 1.3 (1565.42 to 1585.42MHz) 2.2 (1597.55 to 1605.89MHz)	1.3 (1565.42 to 1585.42MHz) 1.3 (1597.55 to 1605.89MHz)	50-100ohm
SAFFB1G58KA0F0A	GPS/GLONASS	1.1 x 0.9	Unbalanced	1575.42/1602	1.3 (1574.42 to 1576.42MHz) 1.7 (1597.55 to 1605.89MHz)	1.5 (1574.42 to 1605.89MHz)	50-50ohm

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Part Number	Application	Size (mm)	Layout	Center Freq. (MHz)	I.L. (dB max.)	In Band Ripple (dB max.)	Impedance
<b>SAFFB1G58FA0F0A</b>	GPS/GLONASS	1.1 x 0.9	Balanced	1575.42/1602	1.35 (1574.42 to 1576.42MHz) 1.9 (1597.55 to 1605.89MHz) 3.0 (1597.55 to 1605.89MHz)	1.3 (1574.42 to 1576.42MHz) 1.3 (1597.55 to 1605.89MHz) 2.2 (1565.42 to 1585.42MHz)	50-100ohm
<b>SAFEA2G45RA0F00</b>	ISM2.4	1.35 x 1.05	Unbalanced	2450	2.6 (2400 to 2500MHz)	1.8 (2400 to 2500MHz)	50-50ohm
<b>SAWFD881MCM0F0A</b>	GSM	1.5 x 1.1	Balanced LR	881.5	2.0 (869 to 894MHz)	1.1 (869 to 894MHz)	50-150ohm
				942.5	2.4 (925 to 960MHz)	1.5 (925 to 960MHz)	50-150ohm
<b>SAWFD881MCN0F0A</b>	GSM	1.5 x 1.1	Balanced RR	881.5	2.0 (869 to 894MHz)	1.1 (869 to 894MHz)	50-150ohm
				942.5	2.4 (925 to 960MHz)	1.5 (925 to 960MHz)	50-150ohm
<b>SAWFD1G84CM0F0A</b>	GSM	1.5 x 1.1	Balanced LR	1842.5	2.3 (1805 to 1880MHz)	1.8 (1805 to 1880MHz)	50-150ohm
				1960	2.2 (1930 to 1990MHz)	1.5 (1930 to 1990MHz)	50-150ohm
<b>SAWFD1G84CN0F0A</b>	GSM	1.5 x 1.1	Balanced RR	1842.5	2.3 (1805 to 1880MHz)	1.8 (1805 to 1880MHz)	50-150ohm
				1960	2.2 (1930 to 1990MHz)	1.8 (1930 to 1990MHz)	50-150ohm
<b>SAWFD942MCM0F0A</b>	GSM	1.5 x 1.1	Balanced LR	942.5	2.1 (925 to 960MHz)	1.5 (925 to 960MHz)	50-150ohm
				1842.5	2.2 (1805 to 1880MHz)	1.5 (1805 to 1880MHz)	50-150ohm
<b>SAWFD942MCN0F0A</b>	GSM	1.5 x 1.1	Balanced RR	942.5	2.1 (925 to 960MHz)	1.5 (925 to 960MHz)	50-150ohm
				1842.5	2.2 (1805 to 1880MHz)	1.5 (1805 to 1880MHz)	50-150ohm
<b>SAWEN881MCM0F00</b>	GSM	1.8 x 1.4	Balanced LR	881.5	2.0 (869 to 894MHz)	1.1 (869 to 894MHz)	50-150ohm
				942.5	2.4 (925 to 960MHz)	1.5 (925 to 960MHz)	50-150ohm
<b>SAWEN881MCN0F00</b>	GSM	1.8 x 1.4	Balanced RR	881.5	2.0 (869 to 894MHz)	1.1 (869 to 894MHz)	50-150ohm
				942.5	2.4 (925 to 960MHz)	1.5 (925 to 960MHz)	50-150ohm
<b>SAWEN1G84CM0F00</b>	GSM	1.8 x 1.4	Balanced LR	1842.5	2.5 (1805 to 1880MHz)	1.8 (1805 to 1880MHz)	50-150ohm
				1960	2.6 (1930 to 1990MHz)	1.8 (1930 to 1990MHz)	50-150ohm
<b>SAWEN1G84CN0F00</b>	GSM	1.8 x 1.4	Balanced RR	1842.5	2.5 (1805 to 1880MHz)	1.8 (1805 to 1880MHz)	50-150ohm
				1960	2.6 (1930 to 1990MHz)	1.8 (1930 to 1990MHz)	50-150ohm
<b>SAWEN881MCM2F00</b>	GSM	1.8 x 1.4	Balanced LR	881.5	2.0 (869 to 894MHz)	1.1 (869 to 894MHz)	50-150ohm
				942.5	2.6 (925 to 960MHz)	1.8 (925 to 960MHz)	50-150ohm
<b>SAWEN881MCN2F00</b>	GSM	1.8 x 1.4	Balanced RR	881.5	2.0 (869 to 894MHz)	1.1 (869 to 894MHz)	50-150ohm
				942.5	2.6 (925 to 960MHz)	1.8 (925 to 960MHz)	50-150ohm
<b>SAWEN942MCM0F00</b>	GSM	1.8 x 1.4	Balanced LR	942.5	2.3 (925 to 960MHz)	1.5 (925 to 960MHz)	50-150ohm
				1842.5	2.5 (1805 to 1880MHz)	1.5 (1805 to 1880MHz)	50-150ohm
<b>SAWEN942MCN0F00</b>	GSM	1.8 x 1.4	Balanced RR	942.5	2.3 (925 to 960MHz)	1.5 (925 to 960MHz)	50-150ohm
				1842.5	2.5 (1805 to 1880MHz)	1.5 (1805 to 1880MHz)	50-150ohm

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