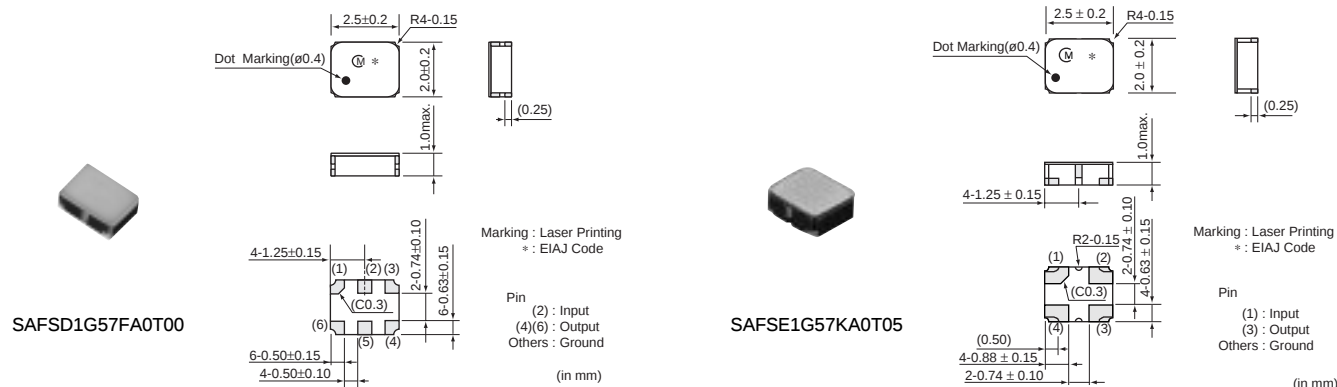


# for RF /Local

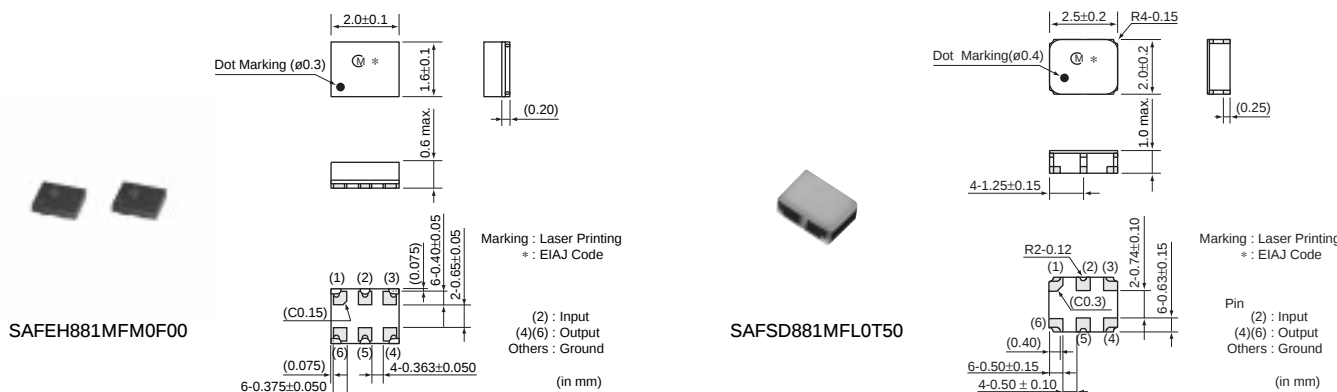
## SAW Filters

### ● GPS



| Part Number     | Center Frequency (MHz) | Insertion Loss (dB)                 | Ripple (dB max.)               | VSWR                               | Input Impedance | Output Impedance |
|-----------------|------------------------|-------------------------------------|--------------------------------|------------------------------------|-----------------|------------------|
| SAFSE1G57KC0T00 | 1575.5                 | 2.5 max.<br>(1574MHz~1577MHz)       | 0.7<br>(1574MHz~1577MHz)       | 1.6max<br>(1574MHz~1577MHz)        | 50ohm           | 50ohm            |
| SAFSD1G57FA0T00 | 1575.5                 | 1.6 max.<br>(1574MHz~1577MHz)       | 0.5<br>(1574MHz~1577MHz)       | 1.6max.<br>(1574MHz~1577MHz)       | 50ohm           | 100ohm           |
| SAFSE1G57KA0T05 | 1575.5                 | 1.6 max.<br>(1574MHz~1577MHz)       | 0.7<br>(1574MHz~1577MHz)       | 1.6max.<br>(1574MHz~1577MHz)       | 50ohm           | 50ohm            |
| SAFSE1G57KA0T09 | 1575.42                | 2.0 max.<br>(1574.42MHz~1576.42MHz) | 1.5<br>(1574.42MHz~1576.42MHz) | 1.8max.<br>(1574.42MHz~1576.42MHz) | 50ohm           | 50ohm            |

### ● GSM850

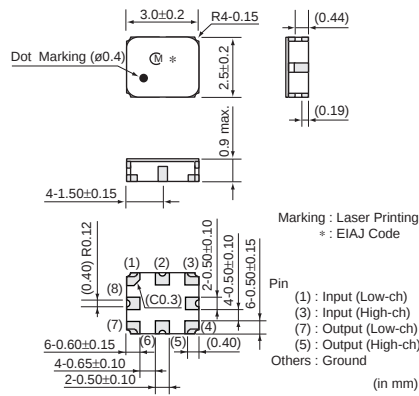


| Part Number     | Center Frequency (MHz) | Insertion Loss (dB)         | Ripple (dB max.)       | VSWR                       | Input Impedance | Output Impedance |
|-----------------|------------------------|-----------------------------|------------------------|----------------------------|-----------------|------------------|
| SAFEH881MFM0F00 | 881.5                  | 2.4 max.<br>(869MHz~894MHz) | 1.5<br>(869MHz~894MHz) | 1.9max.<br>(869MHz~894MHz) | 50ohm           | 150ohm//82nH     |
| SAFSD881MFL0T50 | 881.5                  | 3.0 max.<br>(869MHz~894MHz) | 1.4<br>(869MHz~894MHz) | 2.0max.<br>(869MHz~894MHz) | 50ohm           | 200ohm//82nH     |

- GSM850/GSM1900 Dual Band



SAWSP881MGA0T00

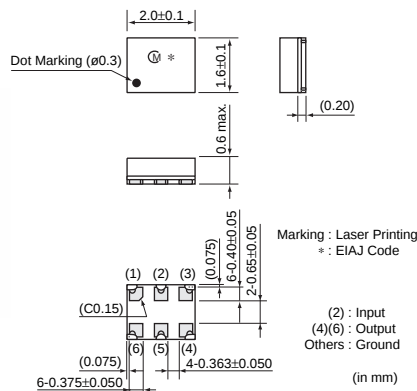


| Part Number                   | Center Frequency (MHz) | Insertion Loss (dB)           | Ripple (dB max.)         | VSWR                         | Input Impedance | Output Impedance |
|-------------------------------|------------------------|-------------------------------|--------------------------|------------------------------|-----------------|------------------|
| <b>SAWSP881MGA0T00(881.5)</b> | 881.5                  | 2.9 max.<br>(869MHz~894MHz)   | 1.5<br>(869MHz~894MHz)   | 2.0max.<br>(869MHz~894MHz)   | 50ohm           | 50ohm            |
| <b>SAWSP881MGA0T00(1960)</b>  | 1960                   | 3.2 max.<br>(1930MHz~1990MHz) | 2.0<br>(1930MHz~1990MHz) | 2.4max.<br>(1930MHz~1990MHz) | 50ohm           | 50ohm            |
| <b>SAWSU881MCQ0T01(881.5)</b> | 881.5                  | 3.0 max.<br>(869MHz~894MHz)   | 1.8<br>(869MHz~894MHz)   | 2.0max.<br>(869MHz~894MHz)   | 50ohm           | 200ohm//56nH     |
| <b>SAWSU881MCQ0T01(1960)</b>  | 1960                   | 3.0 max.<br>(1930MHz~1990MHz) | 2.4<br>(1930MHz~1990MHz) | 2.2max.<br>(1930MHz~1990MHz) | 50ohm           | 200ohm//15nH     |

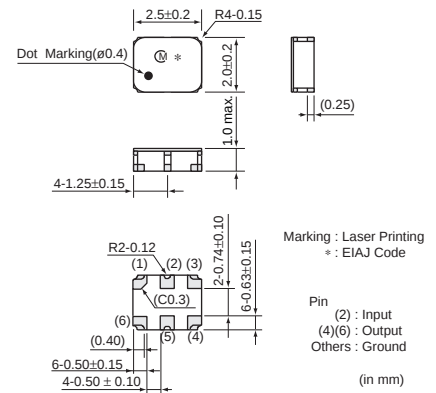
- GSM900



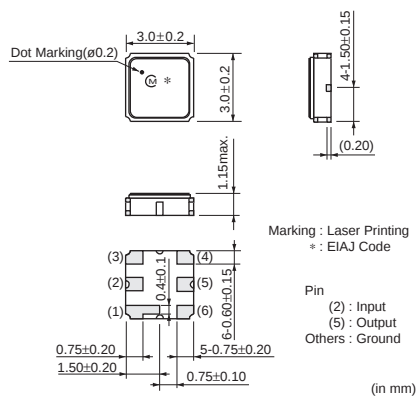
SAFEH942MFN0F00



SAFSD942MCL0T00

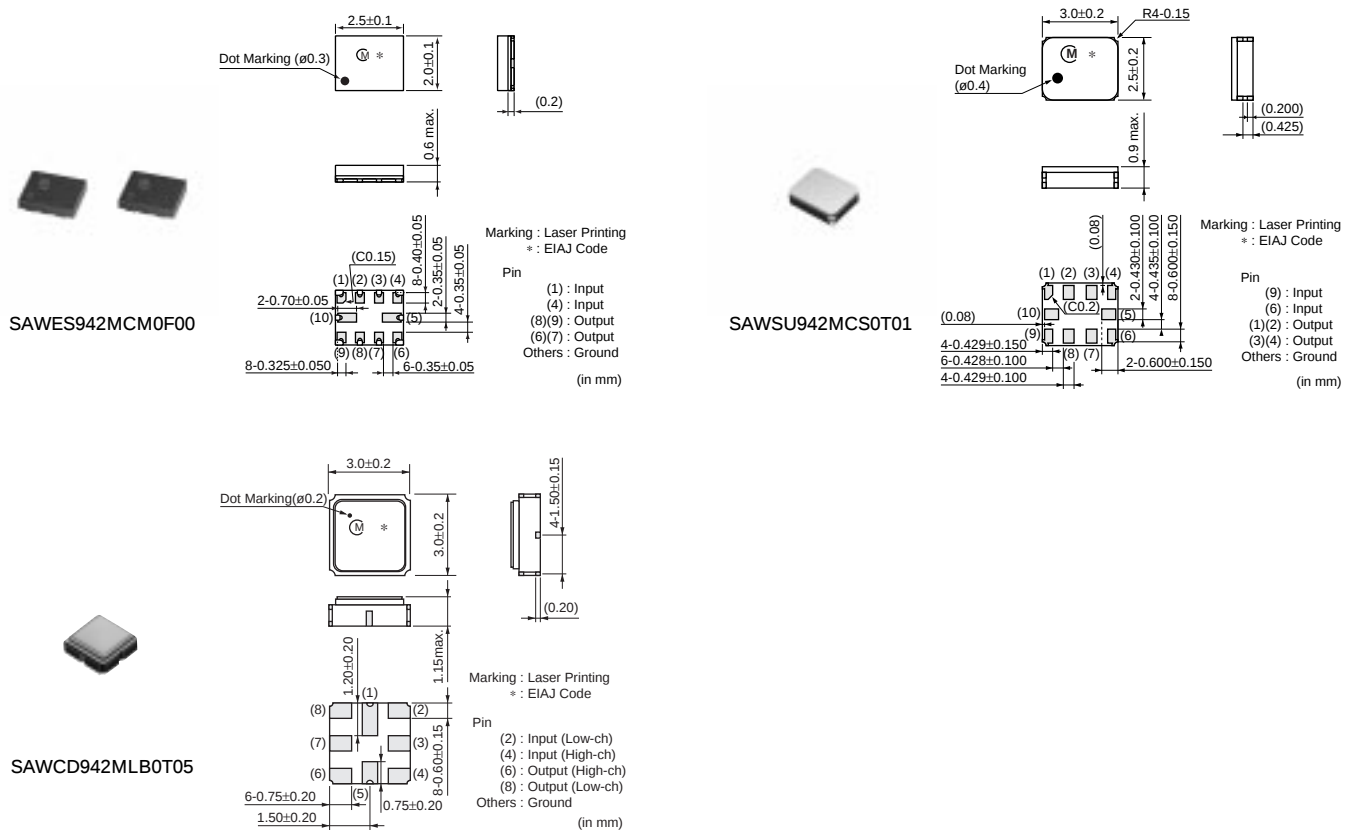


SAFCC942MAM0T00



| Part Number     | Center Frequency (MHz) | Insertion Loss (dB)         | Ripple (dB max.)       | VSWR                       | Input Impedance | Output Impedance |
|-----------------|------------------------|-----------------------------|------------------------|----------------------------|-----------------|------------------|
| SAFEH942MFN0F00 | 942.5                  | 2.7 max.<br>(925MHz~960MHz) | 1.8<br>(925MHz~960MHz) | 2.0max.<br>(925MHz~960MHz) | 50ohm           | 150ohm//82nH     |
| SAFSD942MFM0T00 | 942.5                  | 3.2 max.<br>(925MHz~960MHz) | 2.2<br>(925MHz~960MHz) | 2.3max.<br>(925MHz~960MHz) | 50ohm           | 200ohm//82nH     |
| SAFSD942MCL0T00 | 942.5                  | 3.3 max.<br>(925MHz~960MHz) | 1.8<br>(925MHz~960MHz) | 2.0max.<br>(925MHz~960MHz) | 50ohm           | 50ohm            |
| SAFCC942MAM0T00 | 942.5                  | 4.2 max.<br>(925MHz~960MHz) | 2.5<br>(925MHz~960MHz) | 2.4max.<br>(925MHz~960MHz) | 50ohm           | 50ohm            |
| SAFCC897MKA0T00 | 897.5                  | 3.2 max.<br>(880MHz~915MHz) | 1.8<br>(880MHz~915MHz) | 2.2max.<br>(880MHz~915MHz) | 50ohm           | 50ohm            |
| SAFSE942MAL0T05 | 942.5                  | 3.2 max.<br>(925MHz~960MHz) | 2.0<br>(925MHz~960MHz) | 2.2max.<br>(925MHz~960MHz) | 50ohm           | 50ohm            |

# GSM900/GSM1800 Dual Band



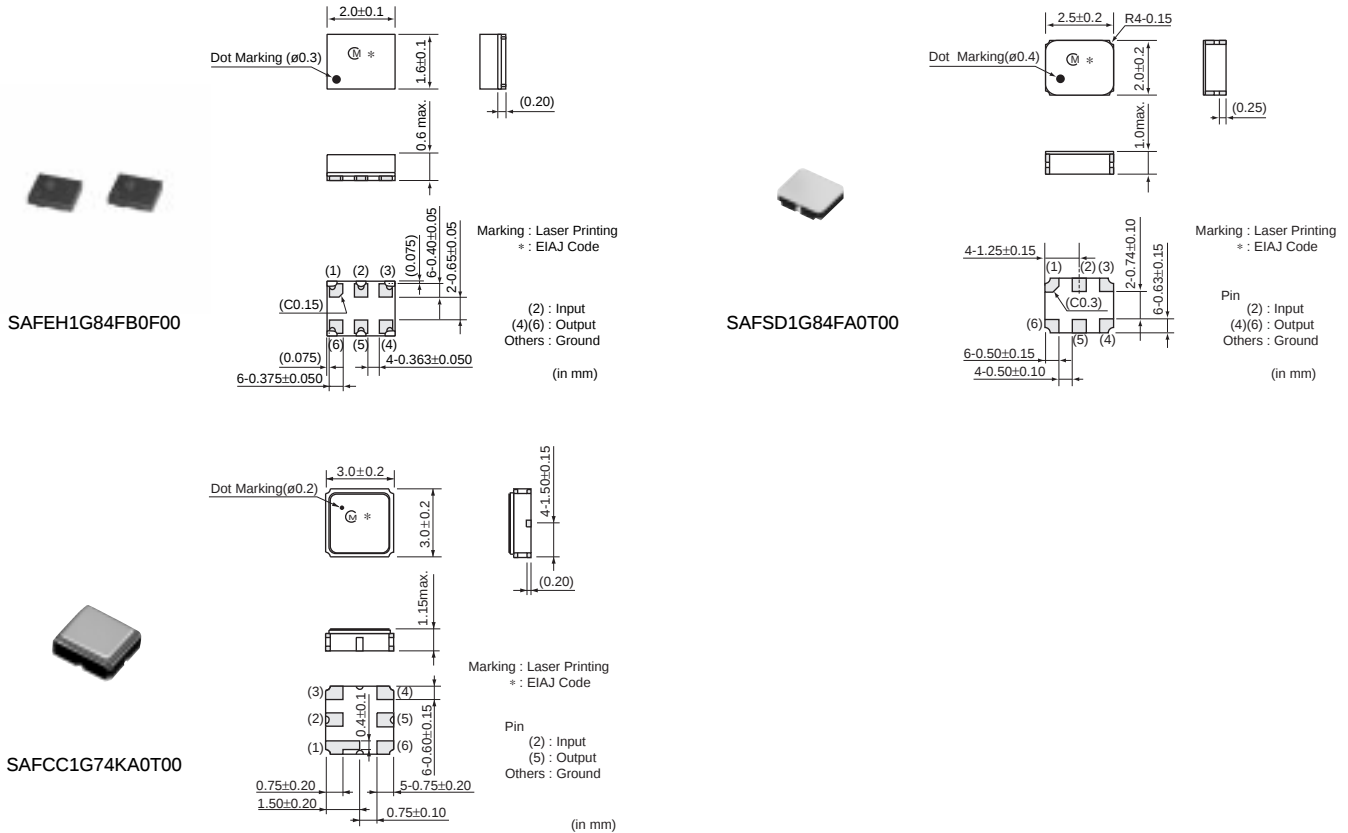
| Part Number             | Center Frequency (MHz) | Insertion Loss (dB)           | Ripple (dB max.)         | VSWR                         | Input Impedance | Output Impedance |
|-------------------------|------------------------|-------------------------------|--------------------------|------------------------------|-----------------|------------------|
| SAWES942MCM0F00(942.5)  | 942.5                  | 2.8 max.<br>(925MHz~960MHz)   | 1.5<br>(925MHz~960MHz)   | 2.0max.<br>(925MHz~960MHz)   | 50ohm           | 150ohm//56nH     |
| SAWES942MCM0F00(1842.5) | 1842.5                 | 3.0 max.<br>(1805MHz~1880MHz) | 1.8<br>(1805MHz~1880MHz) | 2.2max.<br>(1805MHz~1880MHz) | 50ohm           | 150ohm//18nH     |
| SAWSP942MLD0T00(942.5)  | 942.5                  | 3.0 max.<br>(925MHz~960MHz)   | 2.0<br>(925MHz~960MHz)   | 2.5max.<br>(925MHz~960MHz)   | 50ohm           | 50ohm            |
| SAWSP942MLD0T00(1842.5) | 1842.5                 | 3.2 max.<br>(1805MHz~1880MHz) | 2.0<br>(1805MHz~1880MHz) | 2.5max.<br>(1805MHz~1880MHz) | 50ohm           | 50ohm            |
| SAWSU942MCS0T01(942.5)  | 942.5                  | 3.2 max.<br>(925MHz~960MHz)   | 2.2<br>(925MHz~960MHz)   | 2.4max.<br>(925MHz~960MHz)   | 50ohm           | 200ohm//47nH     |
| SAWSU942MCS0T01(1842.5) | 1842.5                 | 3.2 max.<br>(1805MHz~1880MHz) | 2.2<br>(1805MHz~1880MHz) | 2.5max.<br>(1805MHz~1880MHz) | 50ohm           | 200ohm//16nH     |

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| Part Number                    | Center Frequency (MHz) | Insertion Loss (dB)           | Ripple (dB max.)         | VSWR                         | Input Impedance | Output Impedance |
|--------------------------------|------------------------|-------------------------------|--------------------------|------------------------------|-----------------|------------------|
| <b>SAWCD942MLB0T05(942.5)</b>  | 942.5                  | 3.0 max.<br>(925MHz~960MHz)   | 2.5<br>(925MHz~960MHz)   | 2.5max.<br>(925MHz~960MHz)   | 50ohm           | 50ohm            |
| <b>SAWCD942MLB0T05(1842.5)</b> | 1842.5                 | 3.2 max.<br>(1805MHz~1880MHz) | 2.2<br>(1805MHz~1880MHz) | 2.5max.<br>(1805MHz~1880MHz) | 50ohm           | 50ohm            |

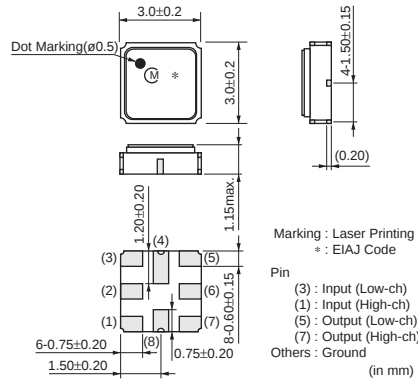
## ● GSM1800



| Part Number            | Center Frequency (MHz) | Insertion Loss (dB)           | Ripple (dB max.)         | VSWR                         | Input Impedance | Output Impedance |
|------------------------|------------------------|-------------------------------|--------------------------|------------------------------|-----------------|------------------|
| <b>SAFEH1G84FB0F00</b> | 1842.5                 | 2.5 max.<br>(1805~1880MHz)    | 1.5<br>(1805MHz~1880MHz) | 2.2max.<br>(1805MHz~1880MHz) | 50ohm           | 150ohm//18nH     |
| <b>SAFSE1G84KA0T00</b> | 1842.5                 | 3.2 max.<br>(1805~1880MHz)    | 2.2<br>(1805MHz~1880MHz) | 2.8max.<br>(1805MHz~1880MHz) | 50ohm           | 50ohm            |
| <b>SAFSD1G84FA0T00</b> | 1842.5                 | 3.0 max.<br>(1805~1880MHz)    | 2.0<br>(1805MHz~1880MHz) | 2.7max.<br>(1805MHz~1880MHz) | 50ohm           | 200ohm//27nH     |
| <b>SAFSD1G84CB0T00</b> | 1842.5                 | 3.8 max.<br>(1805~1880MHz)    | 2.0<br>(1805MHz~1880MHz) | 2.7max.<br>(1805MHz~1880MHz) | 50ohm           | 50ohm            |
| <b>SAFCC1G84KA0T00</b> | 1842.5                 | 4.2 max.<br>(1805~1880MHz)    | 2.8<br>(1805MHz~1880MHz) | 2.8max.<br>(1805MHz~1880MHz) | 50ohm           | 50ohm            |
| <b>SAFCC1G74KA0T00</b> | 1747.5                 | 4.2 max.<br>(1710MHz~1785MHz) | 2.6<br>(1710MHz~1785MHz) | 2.5max.<br>(1710MHz~1785MHz) | 50ohm           | 50ohm            |

● GSM1800/GSM1900

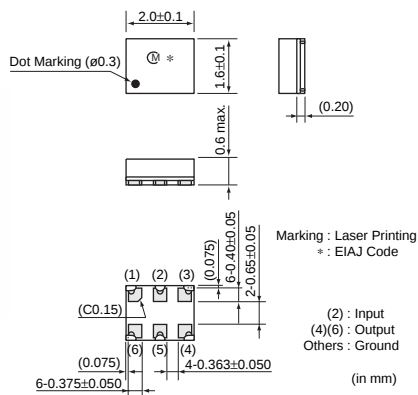
SAWCD1G84LA0T00



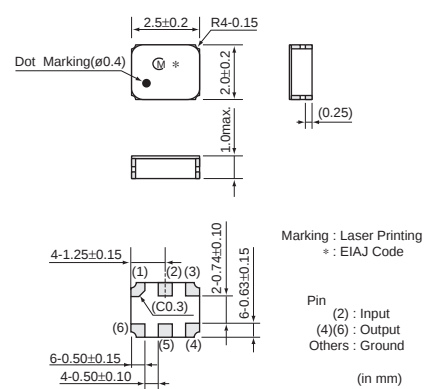
| Part Number             | Center Frequency (MHz) | Insertion Loss (dB)           | Ripple (dB max.)         | VSWR                         | Input Impedance | Output Impedance |
|-------------------------|------------------------|-------------------------------|--------------------------|------------------------------|-----------------|------------------|
| SAWCD1G84LA0T00(1960)   | 1960                   | 3.5 max.<br>(1930MHz~1990MHz) | 2.3<br>(1930MHz~1990MHz) | 2.4max.<br>(1930MHz~1990MHz) | 50ohm           | 50ohm            |
| SAWCD1G84LA0T00(1842.5) | 1842.5                 | 4.0 max.<br>(1805MHz~1880MHz) | 2.5<br>(1805MHz~1880MHz) | 2.5max.<br>(1805MHz~1880MHz) | 50ohm           | 50ohm            |

● GSM1900

SAFEH1G96FB0F00



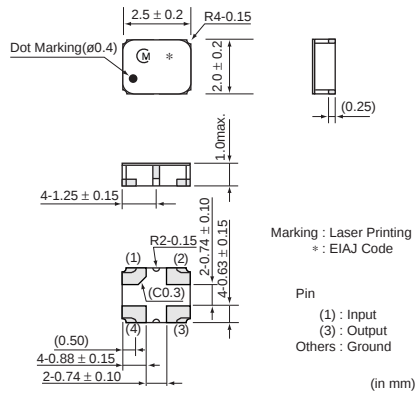
SAFSD1G96FB0T00



| Part Number     | Center Frequency (MHz) | Insertion Loss (dB)        | Ripple (dB max.)         | VSWR                         | Input Impedance | Output Impedance |
|-----------------|------------------------|----------------------------|--------------------------|------------------------------|-----------------|------------------|
| SAFEH1G96FB0F00 | 1960                   | 2.6 max.<br>(1930~1990MHz) | 1.8<br>(1930MHz~1990MHz) | 2.2max.<br>(1930MHz~1990MHz) | 50ohm           | 150ohm//22nH     |
| SAFSE1G96KD0T00 | 1960                   | 3.0 max.<br>(1930~1990MHz) | 2.0<br>(1930MHz~1990MHz) | 2.5max.<br>(1930MHz~1990MHz) | 50ohm           | 50ohm            |
| SAFSD1G96FB0T00 | 1960                   | 3.0 max.<br>(1930~1990MHz) | 2.4<br>(1930MHz~1990MHz) | 2.4max.<br>(1930MHz~1990MHz) | 50ohm           | 200ohm//22nH     |

## ● J-CDMA

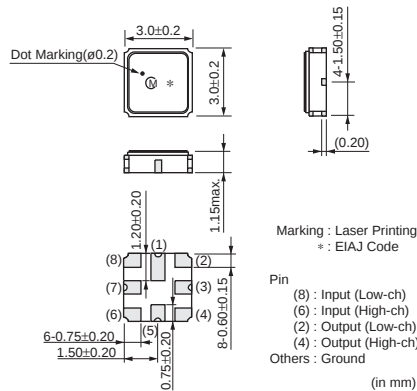
SAFSE851MKB0T00



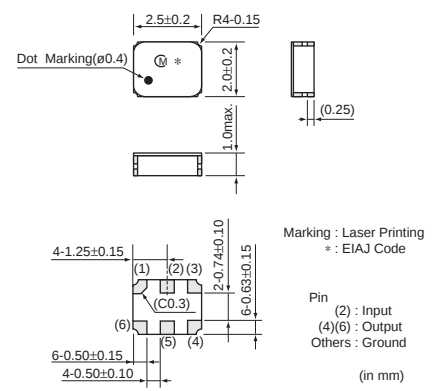
| Part Number     | Center Frequency (MHz) | Insertion Loss (dB)         | Ripple (dB max.)       | VSWR                       | Input Impedance | Output Impedance |
|-----------------|------------------------|-----------------------------|------------------------|----------------------------|-----------------|------------------|
| SAFSE906MAM0T00 | 906                    | 4.0 max.<br>(887MHz~925MHz) | 2.5<br>(887MHz~925MHz) | 2.4max.<br>(887MHz~925MHz) | 50ohm           | 50ohm            |
| SAFSE851MKB0T00 | 851                    | 3.4 max.<br>(832MHz~870MHz) | 2.5<br>(832MHz~870MHz) | 2.2max.<br>(832MHz~870MHz) | 50ohm           | 50ohm            |
| SAFSD906MCL0T00 | 906                    | 4.2 max.<br>(887MHz~925MHz) | 2.5<br>(887MHz~925MHz) | 2.8max.<br>(887MHz~925MHz) | 50ohm           | 50ohm            |
| SAFSD851MXA0T00 | 851                    | 2.6 max.<br>(832MHz~870MHz) | 1.9<br>(832MHz~870MHz) | 2.7max.<br>(832MHz~870MHz) | 50ohm           | 100ohm           |

## ● PCS (CDMA)

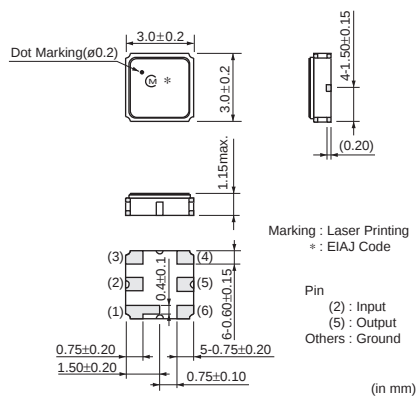
SAWCD1G86LA0T00



SAFSD1G96FL0T00

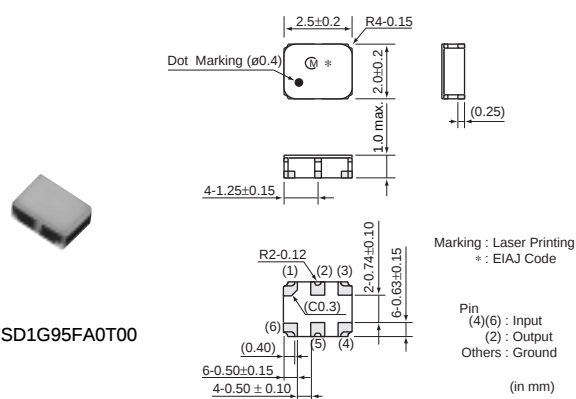


SAFCC1G88KA0T00



| Part Number                    | Center Frequency (MHz) | Insertion Loss (dB)           | Ripple (dB max.)         | VSWR                         | Input Impedance | Output Impedance |
|--------------------------------|------------------------|-------------------------------|--------------------------|------------------------------|-----------------|------------------|
| <b>SAWCD1G86LA0T00(1897.5)</b> | 1897.5                 | 3.2 max.<br>(1885MHz~1910MHz) | 2.0<br>(1885MHz~1910MHz) | 2.0max.<br>(1885MHz~1910MHz) | 50ohm           | 50ohm            |
| <b>SAWCD1G86LA0T00(1867.5)</b> | 1867.5                 | 3.2 max.<br>(1850MHz~1885MHz) | 2.0<br>(1850MHz~1885MHz) | 2.0max.<br>(1850MHz~1885MHz) | 50ohm           | 50ohm            |
| <b>SAFSE1G88KC0T00</b>         | 1880                   | 5.0 max.<br>(1850MHz~1910MHz) | 3.5<br>(1850MHz~1910MHz) | 2.2max.<br>(1850MHz~1910MHz) | 50ohm           | 50ohm            |
| <b>SAFSD1G96FL0T00</b>         | 1960                   | 4.0 max.<br>(1930MHz~1990MHz) | 2.0<br>(1930MHz~1990MHz) | 2.1max.<br>(1930MHz~1990MHz) | 50ohm           | 100ohm           |
| <b>SAFCC1G96KA0T00</b>         | 1960                   | 4.5 max.<br>(1930MHz~1990MHz) | 3.0<br>(1930MHz~1990MHz) | 2.5max.<br>(1930MHz~1990MHz) | 50ohm           | 50ohm            |
| <b>SAFCC1G88KA0T00</b>         | 1880                   | 4.5 max.<br>(1850MHz~1910MHz) | 3.0<br>(1850MHz~1910MHz) | 2.5max.<br>(1850MHz~1910MHz) | 50ohm           | 50ohm            |

● W-CDMA



SAFSD1G95FA0T00

| Part Number            | Center Frequency (MHz) | Insertion Loss (dB)           | Ripple (dB max.)         | VSWR                         | Input Impedance | Output Impedance |
|------------------------|------------------------|-------------------------------|--------------------------|------------------------------|-----------------|------------------|
| <b>SAFZD2G14FC0F00</b> | 2140                   | 2.7 max.<br>(2110~2170MHz)    | 1.3<br>(2110MHz~2170MHz) | 2.3max.<br>(2110MHz~2170MHz) | 50ohm           | 100ohm           |
| <b>SAFSE1G95KD0F00</b> | 1950                   | 3.2 max.<br>(1920~1980MHz)    | 1.5<br>(1920MHz~1980MHz) | 2.6max.<br>(1920MHz~1980MHz) | 50ohm           | 50ohm            |
| <b>SAFSE2G14KB0T00</b> | 2140                   | 2.7 max.<br>(2110~2170MHz)    | 1.3<br>(2110MHz~2170MHz) | 2.0max.<br>(2110MHz~2170MHz) | 50ohm           | 50ohm            |
| <b>SAFSE1G95KC0T00</b> | 1950                   | 3.0 max.<br>(1920~1980MHz)    | 1.5<br>(1920MHz~1980MHz) | 2.0max.<br>(1920MHz~1980MHz) | 50ohm           | 50ohm            |
| <b>SAFSD2G14FA0T00</b> | 2140                   | 2.7 max.<br>(2110MHz~2170MHz) | 1.5<br>(2110MHz~2170MHz) | 2.2max<br>(2110MHz~2170MHz)  | 50ohm           | 200ohm//22nH     |
| <b>SAFSD1G95FA0T00</b> | 1950                   | 3.2 max.<br>(1920~1980MHz)    | 1.6<br>(1920MHz~1980MHz) | 2.1max.<br>(1920MHz~1980MHz) | 200ohm//22nH    | 50ohm            |