



# Cavity Filter

## Selection Guide

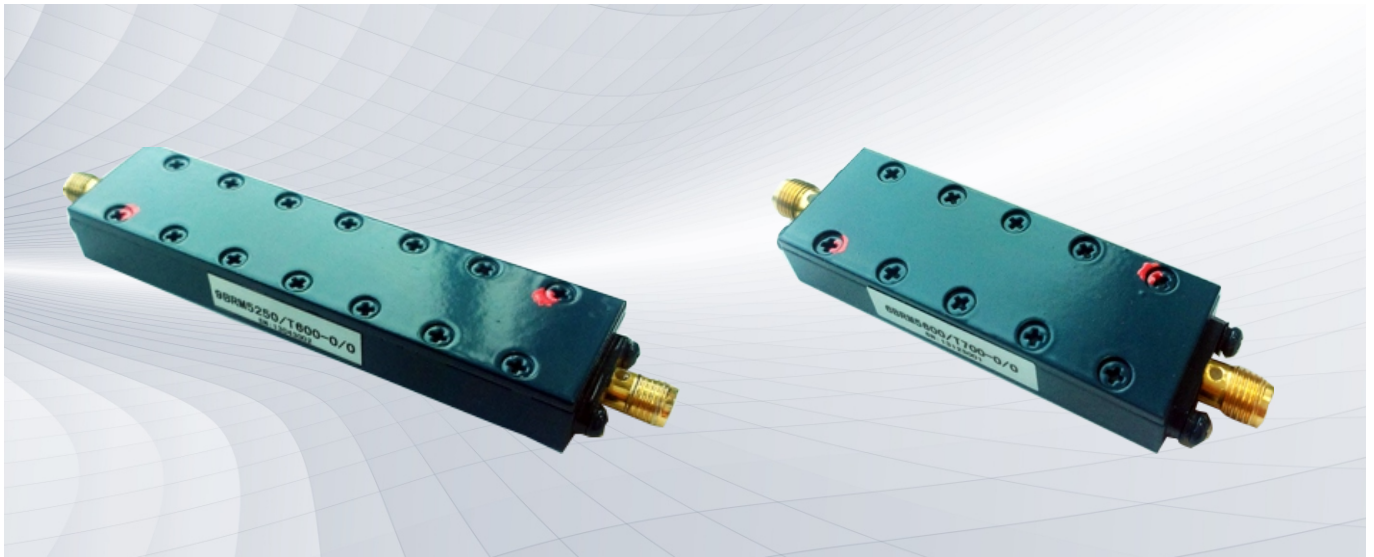


南京舜特科通信技术有限公司  
Sainty-Tech Communications Limited

# INTRODUCTION

RF cavity filter is one of four most common filters in today. It is a type of resonant filter. The most common method is to generate metal resonator through metal shell with thick metal coil. Multiple metal resonators are utilized to form a cavity filter.

Cavity filter designs are available in the frequency range of 300 MHz to 40 GHz and with bandwidth options from less than 1% to 70%. Cavity filters offer very low insertion loss, excellent rejection out of bands and stable performance over temperature. Customization is also available. Cavity filters are widely used in many applications, such as Microwave Telecommunications, 5G Communications, IoT, Radar, ECM, Aerospace, Navigation etc.



| Part Number           | Center Freq. (MHz) | Typ. BW (MHz) | Typ. IL@ f0 (dB) | Min. Rejection (dBc) | Size (mm)   |
|-----------------------|--------------------|---------------|------------------|----------------------|-------------|
| 4HL10-386.46/T3-O/O   | 386.46             | 7.43 (3dB)    | 1.5              | 30@f0±10MHz          | 135×50×32   |
| 4HL10-393.66/T3-O/O   | 393.66             | 8.8(3dB)      | 1.37             | 30@f0±10MHz          | 135×50×32   |
| 4HL10-397.26/T3-O/O   | 397.26             | 7.69(3dB)     | 1.47             | 30@f0±10MHz          | 135×50×32   |
| 3FS10-1050/U20-O/O    | 1050               | -             | -                | 55@DC-700MHz         | 48×49×16    |
| 4FS10-1105/U290-P/P   | 1105               | 455(0.5dB)    | -                | 10@DC-750MHz         | 70×39×40    |
| 5CC20-1200/U6-O/O     | 1200               | 6.6(1dB)      | 1.34             | 39@f0±7MHz           | 90×90×42    |
| 4FS10-1268.52/H50-O/O | 1268.52            | -             | -                | 20@1.33-1.35GHz      | 135×39×50   |
| 5FS10-1268.52/T21-O/O | 1268.52            | 21.1(3dB)     | 0.6              | 40@1244&1293MHz      | 150×36×46   |
| 4BJ10-12740/U12-O/O   | 1274               | 22(1dB)       | -                | 40@12.69&12.79GHz    | 73×28×16    |
| 4FS10-1406/T80-P/P    | 1406               | -             | 0.5              | 40@1.25&1.55GHz      | 57×36×16    |
| 4FS10-1406/T80-P/P    | 1406               | -             | 0.5              | 40@1.25&1.55GHz      | 57×36×16    |
| 8CC20-1575/T50-O/O    | 1575               | 59.8(3dB)     | 0.76             | 33@DC-1535MHz        | 87×47×35    |
| 4FS10-1575.42/U3-MCX  | 1575.42            | 10(1dB)       | 1.39             | 40@1556&1593MHz      | 86.25×60×27 |
| 4FS10-1638/U16-O/O    | 1638               | 25(1dB)       | 0.6              | 50@1695-1700MHz      | 60×60×25    |
| 5FS10-1650/H100-O/O   | 1650               | 131(0.5dB)    | -                | 40@1.48&1.81GHz      | 60×20×30    |
| 7CC20-1680/U70-O/O    | 1680               | 87.6(1dB)     | 1.09             | 40@1.6&1.75GHz       | 48×37×26    |
| 4FS10-1800/T100-P/P   | 1800               | 150.1(3dB)    | 0.27             | 40@f0±220MHz         | 57×21×29    |
| 7FS10-1840/U100-O/O   | 1840               | 168.2(1dB)    | -                | 30@1660-1740MHz      | 81×19×27    |
| 8FS10-2000/U200-O/O   | 2000               | 310(1dB)      | -                | 55@f0±300MHz         | 80×20×25    |
| 4FS10-2036/T80-P/P    | 2036               | 115(3dB)      | 0.55             | 30@f0±110MHz         | 57×29×16    |
| 5FS10-2095/U30-O/O    | 2095               | 43(1dB)       | -                | 85@f0±150MHz         | 123×35×25   |
| 12CC10-2150/H40-O/O   | 2150               | 88(1dB)       | 0.72             | 70@f0±100MHz         | 143×52×26.5 |
| 4CC10-2240/T40-P/P    | 2240               | 68(3dB)       | 0.7              | 30@f0±80MHz          | 57×29×16    |
| 4FS10-2250/H100-O/O   | 2250               | 143(0.5dB)    | -                | 50@5.5-5.7GHz        | 58×25×16    |
| 4FS10-2280/T100-P/P   | 2280               | 130.8(3dB)    | 0.42             | 35@f0±200MHz         | 57×21×27    |
| 6FS10-2280/T40-P/P    | 2280               | 50(3dB)       | 1.57             | 35@2.2&2.32GHz       | 41×30×25    |
| 4HD20-2282/U22-P/P    | 2282               | 39.6(1dB)     | -                | 20@f0±40MHz          | 84×80×35.8  |
| 3CC10-2300/U20-O/O    | 2300               | 52.5(1dB)     | -                | 38@2.2&2.5GHz        | 45×21×28    |
| 6CC20-2300/U20-O/O    | 2300               | 30.3(1dB)     | -                | 40@2269&2329GHz      | 133×90×30   |
| 5CC20-2360/H50-P/P    | 2360               | 63.6(0.5dB)   | 0.91             | 40@2.28&2.44GHz      | 40×24×22    |
| 4FS10-2443/T30-O/O    | 2443               | 87.9(3dB)     | -                | 65@f0±400MHz         | 68×28×18    |
| 4HD10-2492/T8-O/O     | 2492               | 9(3dB)        | 0.67             | 40@f0±20MHz          | 90×90×38    |

| Part Number           | Center Freq.<br>(MHz) | Typ. BW<br>(MHz) | Typ. IL@ f0<br>(dB) | Min. Rejection<br>(dBc) | Size<br>(mm) |
|-----------------------|-----------------------|------------------|---------------------|-------------------------|--------------|
| 8FD10-3000/U250-P/P   | 3000                  | 270(1dB)         | -                   | 40@2.8&3.2GHz           | 65×28×13     |
| 4FS10-3120/H300-P/P   | 3120                  | 450.1(0.5dB)     | -                   | 40@2.18&3.75GHz         | 30×23×10.5   |
| 13FD10-3125/T250-P/P  | 3125                  | 268(2dB)         | 1.09                | 40@2960&3285MHz         | 100×34×12.5  |
| 5FS10-3300/T50-O/O    | 3300                  | 87.2(3dB)        | 0.8                 | 40@f0±90MHz             | 64×26×12     |
| 7CC10-3360/T100-O/O   | 3360                  | 132(3dB)         | -                   | 80@3.6&6.69GHz          | 100×32×18    |
| 8FS10-3400/U220-P/P   | 3400                  | 227.6(1dB)       | 0.88                | 40@f0±200MHz            | 96×20×13     |
| 8FD10-3400/U250-P/P   | 3400                  | 270(1dB)         | -                   | 80@3.2&3.61GHz          | 65×28×13     |
| 8CC10-3600/T100-O/O   | 3600                  | 163.3(3dB)       | -                   | 80@3.36&6.96GHz         | 113×32×18    |
| 9FS10-3720/U200-P/P   | 3720                  | 218.1(1dB)       | 0.78                | 65@f0±200MHz            | 83×12×15.5   |
| 7FD10-3750/U500-O/O   | 3750                  | 640(1dB)         | 0.2                 | 70@4.7-5GHz             | 53×30×13     |
| 9FS10-3920/U200-P/P   | 3920                  | 206.5(1dB)       | 1.04                | 65@f0±200MHz            | 83×12×15.5   |
| 6FD10-4000/H1000-SMP  | 4000                  | 1482.1(0.5dB)    | -                   | 30@f0±1500MHz           | 36×29×13     |
| 9FS10-4020/U50-P/P    | 4020                  | 64.3(1dB)        | 2.51                | 80@f0±100MHz            | 83×12×15.5   |
| 5FD10-4050/H300-O/O   | 4050                  | 410.2(0.5dB)     | 0.21                | 40@3.58&4.51GHz         | 50×25×15     |
| 9FS10-4120/U200-P/P   | 4120                  | 213(1dB)         | 1.03                | 65@f0±200MHz            | 83×12×15.5   |
| 6FS10-4150/H100-N/N   | 4150                  | 115(0.5dB)       | -                   | 40@4.04&4.25GHz         | 86×60×24     |
| 8FD10-4150/H1400-P/P  | 4150                  | 1680(0.5dB)      | -                   | 60@2.6&6GHz             | 38×25×10     |
| 9FS10-4220/U50-P/P    | 4220                  | 65.9(1dB)        | 2.45                | 80@f0±100MHz            | 83×12×15.5   |
| 9FD10-4400/U400-O/O   | 4400                  | 412.6(1dB)       | 0.63                | 40@4.1&4.7GHz           | 61×27×13     |
| 9FS10-4520/U50-P/P    | 4520                  | 67.9(1dB)        | 2.47                | 80@f0±100MHz            | 83×12×15.5   |
| 5FS10-4550/H120-O/O   | 4550                  | 150(0.5dB)       | 1.15                | 40@4.39&4.72GHz         | 56×31×12.5   |
| 6FD10-4720/H1000-SMP  | 4720                  | 1512.8(0.5dB)    | -                   | 30@f0±1500MHz           | 36×29×13     |
| 3FD10-4940/U30-O/O    | 4940                  | 66.1(1dB)        | -                   | 60@DC-4GHz              | 37×23×13     |
| 6FD10-4950/H500-O/OP  | 4950                  | 594.3(0.5dB)     | 0.42                | 65@3.5-4GHz             | 52×24×14     |
| 10CC20-5000/U1000-O/O | 5000                  | 1050(1dB)        | 0.28                | 65@f0±1000MHz           | 82×37×15     |
| 6FS10-5250/U110-P/P   | 5250                  | 140(1dB)         | -                   | 20@5.4-5.5Hz            | 60×20×10     |
| 3FS10-5350/U400-P/P   | 5350                  | 507.3(1dB)       | -                   | 40@2-2.15GHz            | 24×15×12     |
| 13FD10-5500/H1000-O/O | 5500                  | 1046(0.5dB)      | -                   | 55@f0±700MHz            | 100×24×17.5  |
| 5FD10-5600/U65-O/O    | 5600                  | 93.1(1dB)        | 1.56                | 40@f0±110MHz            | 42×21×10     |
| 8FD10-5625/H550-P/P   | 5625                  | 622(0.5dB)       | -                   | 40@f0±475MHz            | 66×20×14     |
| 9FD10-5650/U500-P/P   | 5650                  | 580(1dB)         | -                   | 55@f0±500MHz            | 70×23×13     |
| 7FD10-5750/U200-P/P   | 5750                  | 329(1dB)         | -                   | 70@5.15&7.15GHz         | 55×21×12     |

| Part Number           | Center Freq.<br>(MHz) | Typ. BW<br>(MHz) | Typ. IL@ f0<br>(dB) | Min. Rejection<br>(dBc) | Size<br>(mm) |
|-----------------------|-----------------------|------------------|---------------------|-------------------------|--------------|
| 6FD10-5800/U400-O/O   | 5800                  | 466(1dB)         | -                   | 30@f0±400MHz            | 45×22×12     |
| 5FD10-5850/U130-O/O   | 5850                  | 249.2(1dB)       | -                   | 40@5.57&6.14GHz         | 62×23×15     |
| 9FD10-6250/U600-O/O   | 6250                  | 730(1dB)         | 0.35                | 35@5.7&6.74GHz          | 48×21×12     |
| 5FS10-6300/T60-O/O    | 6300                  | 122(3dB)         | 1.2                 | 40@6.15&6.44GHz         | 46×16×8      |
| 6FS10-6300/U800-O/O   | 6300                  | 878(1dB)         | 0.2                 | 38@f0±800MHz            | 70×19×12     |
| 8FD10-6400/U1800-O/O  | 6400                  | 2126.1(1dB)      | 0.51                | 40@4.82&7.92Hz          | 77×25×12     |
| 6FD10-6590/U400-P/O   | 6590                  | 419.4(1dB)       | -                   | 40@6.2&6.98GHz          | 47×20×12.5   |
| 9FD10-6600/U500-O/O   | 6600                  | 690(1dB)         | 0.63                | 40@6.13&7.08GHz         | 58×25×9      |
| 7FD10-6750/U1520-OP/O | 6750                  | 1661(1dB)        | -                   | 35@f0±1450MHz           | 38×22×10     |
| 8FD10-6795/U180-P/P   | 6795                  | 232.1(3dB)       | -                   | 40@6.62&6.97Hz          | 67×20×13     |
| 5FD10-6900/U400-P/P   | 6900                  | 500(1dB)         | 0.53                | 65@4.4&7.9GHz           | 36×19×10     |
| 5FD10-6960/T120-O/O   | 6960                  | 836.8(3dB)       | -                   | 80@f0±3360MHz           | 28×20×11     |
| 8FD10-7000/T800-OP/O  | 7000                  | 998(3dB)         | -                   | 60@f0±940MHz            | 45×21×11     |
| 13FS10-7140/U500-O/O  | 7140                  | 529.1(1dB)       | -                   | 40@6.8&7.5GHz           | 120×40×13    |
| 6FS10-7160/T100-O/O   | 7160                  | 127(1dB)         | 0.8                 | 40@f0±150MHz            | 81×16×16     |
| 3HD10-7210/U7-O/P-1   | 7210                  | 13.3(1dB)        | 1.05                | 25@f0±30MHz             | 57×20×15     |
| 4FD10-7210/T100-O/O   | 7210                  | 145.7(3dB)       | 0.98                | 25@f0±150MHz            | 35×18×11     |
| 6FS10-7210/T300-O/O   | 7210                  | 390(3dB)         | 0.65                | 25@f0±310MHz            | 47×17×12     |
| 3HD10-7223/U7-O/P-1   | 7223                  | 14.2(1dB)        | 1.1                 | 40@f0±45MHz             | 57×20×15     |
| 7FD10-7500/U500-O/O   | 7500                  | 720(1dB)         | -                   | 95@4.85-5.35GHz         | 56×19×12     |
| 7FD10-7500/U1800-O/O  | 7500                  | 1846(1dB)        | 0.22                | 75@f0±4GHz              | 45×19×13     |
| 4FD10-7700/U200-P/P   | 7700                  | 294(1dB)         | 0.55                | 40@7.2&8.3GHz           | 33×19×11     |
| 6FD10-7730/U200-O/O   | 7730                  | 213.7(1dB)       | -                   | 40@f0±230MHz            | 60×20×13     |
| 4FD10-7970/H100-O/O   | 7970                  | 233.4(1dB)       | -                   | 20@7.58&8.26GHz         | 38×17×12     |
| 5FD10-8000/H2000-SMP  | 8000                  | 2648(0.5dB)      | 0.22                | 40@f0±4000MHz           | 32×20×13     |
| 7FS10-8050/U600-O/O   | 8050                  | 650(1dB)         | -                   | 40@7.5&8.75GHz          | 80×17×12     |
| 7FD10-8150/U500-O/O   | 8150                  | 567(1dB)         | -                   | 40@7.68&8.6GHz          | 58×18×13     |
| 9FD10-8200/H800-O/O   | 8200                  | 863(0.5dB)       | -                   | 10@f0±520MHz            | 58×25×9      |
| 8FD10-8220/H450-O/O   | 8220                  | -                | 0.74                | 40@7.77&8.66Hz          | 67×19×13     |
| 7FD10-8225/U500-P/O   | 8225                  | 540.5(1dB)       | 1.06                | 30@DC-7775MHz           | 55×21×12     |
| 4FS10-8250/U500-P/P   | 8250                  | 659.5(1dB)       | -                   | 70@16-18GHz             | 27×16×8      |
| 8FD10-8300/U125-O/O   | 8300                  | 227.7(1dB)       | 1.41                | 50@f0±300MHz            | 68×19×13     |

| Part Number           | Center Freq.<br>(MHz) | Typ. BW<br>(MHz) | Typ. IL@ f0<br>(dB) | Min. Rejection<br>(dBc) | Size<br>(mm) |
|-----------------------|-----------------------|------------------|---------------------|-------------------------|--------------|
| 3FD10-8400/T50-P/P    | 8400                  | 158(3dB)         | 1.02                | 60@7.5&9.3GHz           | 35×19×14     |
| 10FD10-8400/U2000-O/O | 8400                  | 2230(1dB)        | 0.15                | 40@6.92&9.85GHz         | 56×19×12     |
| 6FS10-8420/T100-O/O   | 8420                  | 138.2(1dB)       | 0.86                | 35@f0±150MHz            | 81×16×16     |
| 4FD10-8450/T50-O/O    | 8450                  | 78.5(3dB)        | 2.65                | 20@f0±75MHz             | 35×18×11     |
| 4FD10-8450/T150-O/O   | 8450                  | 213.3(3dB)       | 1.19                | 25@f0±225MHz            | 35×18×11     |
| 4HD10-8475/H50-P/P    | 8475                  | 87.2(3dB)        | 0.74                | 100@7.1-7.3GMHz         | 35×35×16     |
| 7FD10-8500/U1100-P/P  | 8500                  | 1145(1dB)        | 0.51                | 40@7.54-9.42GMHz        | 45×18×12     |
| 5FD10-8620/U120-P/P   | 8620                  | 138.5(1dB)       | 1.6                 | 40@f0±200MHz            | 38×16×11     |
| 5FD10-8680/H200-O/O   | 8680                  | 238.2(0.5dB)     | 0.69                | 50@f0±400MHz            | 50×18×13     |
| 5FD10-8750/H30-P/P    | 8750                  | 72(1dB)          | 2.97                | 72@f0±220MHz            | 36×14.5×7.5  |
| 5FS10-8800/U40-P/P    | 8800                  | 85.4(1dB)        | 2.47                | 40@8686&8922MHz         | 51×18×11     |
| 8FD10-8820/U300-O/O   | 8820                  | 332.1(1dB)       | -                   | 50@f0±300MHz            | 67×19×13     |
| 6HD10-8838/H15-O/O    | 8838                  | 19.5(0.5dB)      | 3.64                | 55@f0±60MHz             | 90×21×17     |
| 6FD10-9000/U1600-O/O  | 9000                  | 1764(1dB)        | 0.37                | 70@DC-4.9GHz            | 41×19×13     |
| 9FD10-9000/U400-O/O   | 9000                  | 440(1dB)         | 0.75                | 40@8.68&9.31GHz         | 79×18×13     |
| 3FD10-9200/H430-O/OP  | 9200                  | 460.2(0.5dB)     | 0.31                | 35@f0±2135MHz           | 33×18×13     |
| 5FS10-9200/U40-P/P    | 9200                  | 78.1(1dB)        | 2.07                | 40@9084&9322MHz         | 51×18×11     |
| 3FD10-9210/U130-O/O   | 9210                  | 148.5(1dB)       | 0.71                | 34@f0±315MHz            | 41×18×13     |
| 6FS10-9220/U220-O/O   | 9220                  | 240.4(1dB)       | -                   | 70@1000-8520MHz         | 53×30×12     |
| 6HD10-9222/H15-O/O    | 9222                  | 15.9(0.5dB)      | 3.94                | 55@f0±60MHz             | 90×21×17     |
| 6FD10-9238/U180-P/P   | 9238                  | 211.8(1dB)       | -                   | 60@f0±320MHz            | 60×17×13     |
| 7FD10-9300/H600-P/P   | 9300                  | 652.1(1dB)       | 0.49                | 70@f0±1.2GHz            | 56×13×13     |
| 6FD10-9358/U460-P/P   | 9358                  | 515.1(1dB)       | 0.79                | 60@DC-8.6GHz            | 50×17×13     |
| 4FD10-9405/U70-P/P    | 9405                  | 132.2(1dB)       | 1.3                 | 60@f0±350MHz            | 45×17×13.5   |
| 7FD10-9500/U1000-P/P  | 9500                  | 1045(1dB)        | 0.52                | 60@f0±1.2GHz            | 42×18×11     |
| 7FD10-9600/U1000-P/P  | 9600                  | 1240(1dB)        | -                   | 50@DC-8.1GHz            | 56×17×16.5   |
| 8FD10-9600/H1600-O/O  | 9600                  | 1750(0.5dB)      | 0.9                 | 40@8&11.2GHz            | 62×20×12     |
| 8FD10-9600/U1600-P/P  | 9600                  | 2136(1dB)        | -                   | 40@8&11.2GHz            | 56×17×16.5   |
| 6FD10-9750/H600-P/P   | 9750                  | 697.1(0.5dB)     | 0.5                 | 40@9.09&10.42GHz        | 38.5×17×11   |
| 7FD10-9750/U1520-OP/O | 9750                  | 1650(1dB)        | 0.36                | 35@f0±1450MHz           | 38×22×10     |
| 6FS10-9900/H1000-P/P  | 9900                  | 1140(1dB)        | -                   | 35@8.72&10.88GHz        | 42×17×9      |
| 5HD10-10000/T50-O/O   | 10000                 | 55.9(3dB)        | 1.63                | 40@f0±100MHz            | 82×22×16     |

| Part Number            | Center Freq.<br>(MHz) | Typ. BW<br>(MHz) | Typ. IL@ f0<br>(dB) | Min. Rejection<br>(dBc) | Size<br>(mm) |
|------------------------|-----------------------|------------------|---------------------|-------------------------|--------------|
| 6FD10-10100/T800-O/O   | 10100                 | 926(3dB)         | 0.47                | 70@DC-8500MHz           | 50×17×12     |
| 5FS10-10300/T60-O/O    | 10300                 | 75.2(3dB)        | 2.4                 | 40@10.18&10.42GHz       | 45×15×8      |
| 7FD10-10300/H600-P/P   | 10300                 | 640.5(0.5dB)     | -                   | 55@f0±800MHz            | 56×13×13     |
| 5FD10-10320T200-O/O    | 10320                 | 466.1(3dB)       | -                   | 40@9.8&10.8Hz           | 49×18×13     |
| 6HD10-10486/T12-OP/OP  | 10486                 | 13.2(3dB)        | 4.3                 | 40@f0±20MHz             | 33×47×16     |
| 6BJ20-10520/U100-O/O   | 10520                 | 131.5(1dB)       | -                   | 60@f0±200MHz            | 52×75×18     |
| 6FD10-10700/U300-P/P   | 10700                 | 357(1dB)         | 1.1                 | 40@10.33&11.04GHz       | 45×14×9      |
| 7FD10-10700/H600-P/P   | 10700                 | 710(1dB)         | -                   | 55@f0±800MHz            | 56×13×13     |
| 7FD10-10950/U500-O/OP  | 10950                 | 591.1(1dB)       | -                   | 40@10.44&11.45GHz       | 54×17×13     |
| 8FD10-11000/H1800-O/O  | 11000                 | 1980(0.5dB)      | 0.68                | 40@9.41&12.53GHz        | 62×20×12     |
| 6FS10-11200/T280-O/O   | 11200                 | 260(3dB)         | 0.55                | 40@f0±300MHz            | 36×36×13     |
| 8FD10-11200/U1600-S/S  | 11200                 | 1702.1(1dB)      | 0.8                 | 50@f0±1500MHz           | 40×14×9      |
| 11FD10-11250/U3500-O/O | 11250                 | 3650.4(1dB)      | -                   | 60@8.5&14GHz            | 45×17×11     |
| 4FS10-11500/U840-P/P-2 | 11500                 | 1129(1dB)        | 0.42                | 65@5.84&16.62GHz        | 30×15×14     |
| 9FD10-11500/U1000-P/P  | 11500                 | 1104(1dB)        | -                   | 60@10.5&21GHz           | 51×17×11     |
| 6FD10-11550/U600-P/P   | 11550                 | 742.7(1dB)       | 0.68                | 40@10.9&12.23GHz        | 41×14×9      |
| 3FD10-11630/T100-P/P   | 11630                 | 193.2(3dB)       | 1.2                 | 80@6&16GHz              | 31×17×11     |
| 7FD10-11700/H600-P/P   | 11700                 | 680(1dB)         | -                   | 55@f0±800MHz            | 56×13×13     |
| 5FD10-11915/U2000-O/O  | 11915                 | 2771.9(1dB)      | -                   | 30@f0±110MHz            | 35×20×15     |
| 5FD10-12500/H500-P/P   | 12500                 | 556.2(0.5dB)     | -                   | 60@f0±1.5GHz            | 37×16×11     |
| 8FD10-12500/H1000-O/O  | 12500                 | 1319(0.5dB)      | 0.33                | 40@11.54&13.55GHz       | 63×21×11     |
| 7FD10-12900/U1400-P/P  | 12900                 | 1575(1dB)        | 0.43                | 70@f0±2.2GHz            | 42×17×11     |
| 5FD10-12900/U1000-O/O  | 12900                 | 11050(1dB)       | 0.26                | 40@11.6&14.2GHz         | 35×16×11     |
| 6BJ20-12900/T400-O/O   | 12900                 | 462(3dB)         | -                   | 40@12.5&13.4GHz         | 114×25×15    |
| 8FD10-13000/T800-OP/O  | 13000                 | 839.3(3dB)       | -                   | 60@f0±800MHz            | 61×18×13     |
| 3FS10-13140/U500-P/P   | 13140                 | 689(1dB)         | 0.29                | 40@f0±1750MHz           | 32×13×10.5   |
| 4FS10-13140/U1050-P/P  | 13140                 | 1309(1dB)        | -                   | 40@11.3&15.2GHz         | 32×13×10.5   |
| 7FD10-13200/U600-O/OP  | 13200                 | 840(1dB)         | -                   | 40@12.43&13.82GHz       | 54×17×13     |
| 7FS10-13400/U100-SMP   | 13400                 | 127(1dB)         | 3.8                 | 70@f0±200MHz            | 58×14×11     |
| 8FD10-13500/T800-OP/O  | 13500                 | 1004(1dB)        | -                   | 60@f0±940MHz            | 59×17×12     |
| 7FS10-13600/U100-SMP   | 13600                 | 131(1dB)         | 3.87                | 70@f0±200MHz            | 55×15×11     |
| 7FS10-13800/U100-SMP   | 13800                 | 133(1dB)         | 0.39                | 70@f0±200MHz            | 58×14×11     |

| Part Number             | Center Freq.<br>(MHz) | Typ. BW<br>(MHz) | Typ. IL@ f0<br>(dB) | Min. Rejection<br>(dBc) | Size<br>(mm) |
|-------------------------|-----------------------|------------------|---------------------|-------------------------|--------------|
| 7FD10-13850/U300-P/P    | 13850                 | 700.6(1dB)       | -                   | 60@f0±1000MHz           | 57×17×12     |
| 9FD10-14000/T800-OP/O   | 14000                 | 898.3(3dB)       | -                   | 60@f0±800MHz            | 66×18×13     |
| 4BJ10-14013/U18-O/O     | 14013                 | 22(1dB)          | -                   | 40@13.97&14.06GHz       | 68×25×15     |
| 4BJ10-14075/U12-O/O     | 14075                 | 18(1dB)          | -                   | 40@14.03&14.12GHz       | 68×25×15     |
| 4BJ10-14198/U18-O/O     | 14198                 | 24(1dB)          | -                   | 40@14.12&14.25GHz       | 68×25×15     |
| 7FD10-14250/U1520-OP/O  | 14250                 | 1746(1dB)        | 0.52                | 33@f0±1450MHz           | 41×22×10     |
| 4BJ10-14305/U12-O/O     | 14305                 | 20(1dB)          | -                   | 40@14.25&14.37GHz       | 68×25×15     |
| 4FD10-14400/T160-P/P    | 14400                 | 284.4(3dB)       | 1.76                | 60@f0±800MHz            | 37×17×10     |
| 5FD10-14400/U800-O/O    | 14400                 | 1029(1dB)        | -                   | 70@f0±2500MHz           | 37×17×10     |
| 3BJ10-14500/U120-P/P    | 14500                 | 146.2(3dB)       | 0.93                | 40@14.1&14.9GHz         | 45×30×11     |
| 6FD10-14500/U3600-P/P   | 14500                 | 4256(1dB)        | -                   | 40@10.5&18.3GHz         | 30×16×12     |
| 5FD10-14570/U600-P/P    | 14570                 | 753(1dB)         | 1.01                | 40@f0±300MHz            | 35×16×9.5    |
| 8FD10-14750/H1500-O/O   | 14750                 | 1640(0.5dB)      | 0.71                | 40@13.3&16.2GHz         | 63×21×11     |
| 11FD10-14750/U3500-O/O  | 14750                 | 3580(1dB)        | -                   | 35@12.4&17.1GHz         | 47×17×11     |
| 7FS10-14800/U100-O/O    | 14800                 | 130.6(1dB)       | 4.29                | 65@f0±250MHz            | 70×17×12     |
| 9BJ10-14800/H400-O/O    | 14800                 | 486.2(0.5dB)     | 0.53                | 40@14.46&15.15GHz       | 84×39×14     |
| 11FD10-14800/T700-O/O   | 14800                 | 816.1(3dB)       | -                   | 40@14.3&15.4GHz         | 69×16×11     |
| 12FD10-14800/U3300-O/O  | 14800                 | 3358(1dB)        | 0.56                | 58@f0±2.4GHz            | 65×18×11     |
| 5FS10-14940/U500-P/P    | 14940                 | 780.5(1dB)       | -                   | 40@14.11&15.82GHz       | 51×13×10.5   |
| 5FD10-15000/T150-P/P    | 15000                 | 230.1(3dB)       | 0.55                | 65@f0±500MHz            | 45×15×10.5   |
| 6FS10-15000/U1050-P/P   | 15000                 | 1160(1dB)        | -                   | 40@13.9&16.2GHz         | 51×13×10.5   |
| 4FD10-15100/T500-O/O    | 15100                 | 880.1(3dB)       | -                   | 40@13.9&16.3GHz         | 32×16×11     |
| 11FD10-15400/T700-O/O   | 15400                 | 831.1(3dB)       | -                   | 40@14.9&16GHz           | 68×16×11     |
| 5FD10-15500/U500-P/P    | 15500                 | 602.4(1dB)       | -                   | 50@f0±1000MHz           | 32×18×10     |
| 9FD10-15500/T800-OP/O   | 15500                 | 950.6(3dB)       | 1.14                | 60@f0±830MHz            | 62×17×12     |
| 4FD10-15520/U500-P/P    | 15520                 | 662.4(1dB)       | 0.86                | 50@f0±1500MHz           | 30×16×9.5    |
| 11FD10-15700/T700-O/O   | 15700                 | 820(3dB)         | -                   | 50@15.1&16.3GHz         | 69×16×11     |
| 5BJ10-16000/U100-O/O    | 16000                 | 158(1dB)         | 0.68                | 70@f0±400MHz            | 85×22×13.5   |
| 8FS10-16500/U800-O/O    | 16500                 | 879(1dB)         | -                   | 65@f0±1000MHz           | 50.5×15×15   |
| 6FD10-16550/T500-O/O    | 16550                 | 576.2(3dB)       | 1.15                | 40@15.9&17.1GHz         | 48×17×10.5   |
| 12FD10-17000/T1000-OP/O | 17000                 | 1093(3dB)        | 0.77                | 60@f0±800MHz            | 73×17×11     |
| 4FD10-17800/U800-O/O    | 17800                 | 1214(1dB)        | 0.46                | 60@9.1&26.1GHz          | 30×17×11     |

| Part Number             | Center Freq.<br>(MHz) | Typ. BW<br>(MHz) | Typ. IL@ f0<br>(dB) | Min. Rejection<br>(dBc) | Size<br>(mm) |
|-------------------------|-----------------------|------------------|---------------------|-------------------------|--------------|
| 10FD10-18000/T800-OP/O  | 18000                 | 949.6(3dB)       | -                   | 60@f0±800MHz            | 61×18×13     |
| 3BJ10-18100/U120-O/O    | 18100                 | 135.2(1dB)       | 0.75                | 40@17.7&18.5GHz         | 43×23×11     |
| 3BJ10-18100/U120-P/P    | 18100                 | 135.8(3dB)       | 0.88                | 40@17.7&18.5GHz         | 43×23×11     |
| 9FD10-18750/U5500-O/O   | 18750                 | 6.15(1dB)        | 0.4                 | 50@10.75&24GHz          | 38×12.5×9    |
| 12FD10-19000/T1000-OP/O | 19000                 | 1137.1(3dB)      | 1.27                | 60@f0±800MHz            | 73×17×11     |
| 12FD10-20000/T1000-OP/O | 20000                 | 1063.7(3dB)      | 1.52                | 60@f0±800MHz            | 73×17×11     |
| 13FD10-20300/U1800-O/OP | 20300                 | 2013(1dB)        | 1.15                | 40@19&21.6GHz           | 62×16×11     |
| 6FD10-20400/H1600-P/P   | 20400                 | 2190(0.5dB)      | -                   | 40@18.4&22.5GHz         | 32×16×10     |
| 5FD10-20550/U600-P/P    | 20550                 | 933(1dB)         | 0.44                | 35@1.95&2.17GHz         | 30×15×10     |
| 5BJ10-21650/H750-K/K    | 21650                 | 997.5(0.5dB)     | 0.66                | 40@20.6&22.9GHz         | 52×19×12     |
| 5FS10-23800/T500-P/P    | 23800                 | 543.7(3dB)       | 1.4                 | 40@f0±1000MHz           | 30×14×11     |
| 5BJ10-25520/U320-P/P    | 25520                 | 491.2(1dB)       | 0.9                 | 40@f0±700MHz            | 46×18×11     |
| 5BJ10-25520/U250-P/P    | 25520                 | 482.1(1dB)       | 1.05                | 40@f0±500MHz            | 46×18×11     |
| 9BJ10-25520/U650-P/P    | 25520                 | 757.1(1dB)       | 1.05                | 15@f0±475MHz            | 78×18×11     |
| 5BJ10-26400/U337.5-P/P  | 26400                 | 501.8(1dB)       | 0.89                | 35@f0±600MHz            | 44×18×11     |
| 9BJ10-26400/U750-P/P    | 26400                 | 854.5(1dB)       | 1.04                | 15@f0±525MHz            | 74×18×11     |
| 4BJ10-32050/U600-K/K    | 32050                 | 1540(1dB)        | -                   | 50@DC-24GHz             | 32×17×10     |



## CONTACT US

---

-  Address: Buliding 5-1004,Zijin R&D Center,No.89 Shengli Road,Jiangning,Nanjing 211100,China
-  Tel: +86 (25) 52635773
-  Email: [sales@sainty-tech.com](mailto:sales@sainty-tech.com)
-  Fax: +86 (25) 52632557
-  Website: [www.sainty-tech.com](http://www.sainty-tech.com)