

Suspended substrate stripline High Pass Filter

ZHSS-K15G+

Typical Performance Data

| FREQ. | Insertion Loss | Input Return Loss | Output Return Loss | FREQ. | Group Delay |
|-------|----------------|-------------------|--------------------|-------|-------------|
| (MHz) | (dB) | (dB) | (dB) | (MHz) | (ns) |
| 10 | 114.47 | 0.02 | 0.02 | 15000 | 0.24 |
| 50 | 104.58 | 0.02 | 0.00 | 15500 | 0.23 |
| 100 | 118.69 | 0.01 | 0.01 | 16000 | 0.22 |
| 500 | 111.76 | 0.01 | 0.01 | 16500 | 0.21 |
| 1000 | 111.68 | 0.02 | 0.04 | 17000 | 0.20 |
| 1500 | 107.94 | 0.05 | 0.05 | 17500 | 0.19 |
| 2000 | 99.92 | 0.07 | 0.07 | 18000 | 0.19 |
| 2500 | 101.00 | 0.09 | 0.12 | 18500 | 0.18 |
| 3000 | 102.92 | 0.14 | 0.14 | 19000 | 0.18 |
| 3500 | 107.53 | 0.20 | 0.19 | 19500 | 0.18 |
| 4000 | 114.39 | 0.24 | 0.25 | 20000 | 0.18 |
| 4500 | 104.34 | 0.26 | 0.29 | 20500 | 0.17 |
| 5000 | 99.38 | 0.29 | 0.36 | 21000 | 0.17 |
| 5500 | 106.61 | 0.31 | 0.36 | 21500 | 0.16 |
| 6000 | 98.43 | 0.41 | 0.49 | 22000 | 0.16 |
| 6500 | 94.50 | 0.47 | 0.54 | 22500 | 0.16 |
| 7000 | 103.83 | 0.50 | 0.58 | 23000 | 0.16 |
| 7500 | 108.40 | 0.60 | 0.67 | 23500 | 0.16 |
| 8000 | 85.08 | 0.63 | 0.68 | 24000 | 0.16 |
| 8500 | 77.05 | 0.65 | 0.72 | 24500 | 0.15 |
| 9000 | 66.62 | 0.70 | 0.76 | 25000 | 0.16 |
| 9500 | 56.47 | 0.76 | 0.80 | 25500 | 0.15 |
| 10000 | 46.26 | 0.81 | 0.82 | 26000 | 0.15 |
| 10500 | 35.51 | 0.90 | 0.84 | 26500 | 0.15 |
| 11000 | 25.17 | 1.00 | 0.83 | 27000 | 0.15 |
| 11500 | 15.58 | 1.29 | 0.96 | 30000 | 0.15 |
| 12000 | 8.23 | 2.27 | 1.80 | 30500 | 0.14 |
| 12500 | 3.88 | 4.85 | 4.29 | 30750 | 0.14 |
| 13000 | 1.65 | 10.84 | 10.53 | 31000 | 0.14 |
| 13500 | 0.97 | 33.96 | 33.79 | 31250 | 0.14 |
| 14000 | 0.99 | 16.90 | 15.00 | 31500 | 0.14 |
| 14500 | 1.06 | 13.74 | 12.36 | 31750 | 0.14 |
| 15000 | 1.02 | 13.70 | 12.56 | 32000 | 0.14 |
| 17500 | 0.88 | 14.67 | 14.91 | 32250 | 0.14 |
| 18000 | 0.86 | 15.59 | 15.53 | 32500 | 0.14 |
| 18500 | 0.84 | 16.96 | 16.71 | 32750 | 0.14 |
| 19000 | 0.80 | 18.60 | 18.12 | 33000 | 0.14 |
| 19500 | 0.74 | 19.61 | 19.68 | 33250 | 0.14 |
| 20000 | 0.71 | 19.62 | 20.86 | 33500 | 0.14 |
| 20500 | 0.69 | 19.69 | 21.60 | 33750 | 0.14 |
| 21000 | 0.68 | 20.52 | 22.26 | 34000 | 0.14 |
| 21500 | 0.67 | 21.94 | 23.74 | 34250 | 0.14 |
| 22000 | 0.66 | 24.11 | 25.58 | 34500 | 0.14 |
| 22500 | 0.65 | 27.32 | 27.73 | 34750 | 0.14 |
| 23000 | 0.65 | 29.19 | 28.42 | 35000 | 0.14 |
| 23500 | 0.67 | 27.11 | 26.86 | 35250 | 0.14 |
| 24000 | 0.68 | 24.99 | 24.80 | 35500 | 0.14 |
| 24500 | 0.68 | 23.56 | 23.37 | 35750 | 0.14 |
| 25000 | 0.69 | 22.94 | 22.36 | 36000 | 0.14 |
| 25500 | 0.70 | 22.58 | 21.97 | 36250 | 0.14 |
| 26000 | 0.68 | 22.17 | 21.43 | 36500 | 0.14 |
| 26500 | 0.69 | 21.41 | 20.57 | 36750 | 0.14 |
| 27000 | 0.71 | 19.96 | 19.58 | 37000 | 0.14 |
| 30000 | 0.73 | 18.08 | 18.84 | 37250 | 0.14 |
| 31000 | 0.70 | 22.94 | 22.27 | 37500 | 0.14 |
| 33000 | 0.76 | 26.46 | 22.67 | 37750 | 0.14 |
| 35000 | 0.74 | 18.18 | 18.14 | 38000 | 0.14 |
| 37000 | 0.74 | 18.62 | 18.19 | 38250 | 0.14 |
| 39000 | 0.73 | 26.01 | 24.38 | 38500 | 0.14 |
| 40000 | 0.77 | 19.86 | 19.60 | 40000 | 0.14 |



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