







## S-Parameters

| S-PARAMETER Vds=7V, Ids= 0.7 x Idss |        |          |        |         |         |         |        |          |       |        |
|-------------------------------------|--------|----------|--------|---------|---------|---------|--------|----------|-------|--------|
| Freq.                               | S11    |          | S21    |         | S12     |         | S22    |          | K     | GMAX   |
| GHz                                 | dB     | Ang (°)  | dB     | Ang (°) | dB      | Ang (°) | dB     | Ang (°)  |       | dB     |
| 1                                   | -0.207 | -26.958  | 18.437 | 161.611 | -35.811 | 75.975  | -1.871 | -8.010   | 0.093 | 27.124 |
| 2                                   | -0.589 | -51.462  | 17.748 | 145.283 | -30.731 | 63.494  | -2.232 | -14.816  | 0.162 | 24.239 |
| 3                                   | -1.052 | -72.815  | 16.749 | 131.154 | -28.069 | 54.936  | -2.740 | -20.416  | 0.216 | 22.409 |
| 4                                   | -1.455 | -90.734  | 15.682 | 119.517 | -26.788 | 47.386  | -3.289 | -24.512  | 0.289 | 21.235 |
| 5                                   | -1.978 | -105.657 | 14.525 | 109.489 | -25.985 | 40.663  | -3.582 | -28.103  | 0.391 | 20.255 |
| 6                                   | -2.305 | -116.551 | 13.563 | 102.505 | -25.510 | 38.875  | -3.766 | -28.179  | 0.461 | 19.537 |
| 7                                   | -2.564 | -127.799 | 12.630 | 94.480  | -25.117 | 35.755  | -3.976 | -30.652  | 0.531 | 18.874 |
| 8                                   | -2.612 | -138.786 | 11.783 | 87.029  | -24.861 | 33.013  | -4.265 | -35.534  | 0.561 | 18.322 |
| 9                                   | -2.730 | -147.742 | 11.010 | 79.577  | -24.842 | 31.599  | -4.666 | -37.908  | 0.664 | 17.926 |
| 10                                  | -2.763 | -157.160 | 10.180 | 73.582  | -24.689 | 29.738  | -4.854 | -40.844  | 0.719 | 17.435 |
| 11                                  | -2.897 | -164.602 | 9.424  | 68.144  | -24.774 | 29.567  | -4.975 | -42.937  | 0.824 | 17.099 |
| 12                                  | -2.869 | -170.932 | 8.798  | 62.626  | -24.750 | 29.591  | -5.053 | -45.868  | 0.870 | 16.774 |
| 13                                  | -2.822 | -177.396 | 8.204  | 57.466  | -24.713 | 29.727  | -5.120 | -49.781  | 0.901 | 16.459 |
| 14                                  | -2.846 | 178.026  | 7.560  | 52.228  | -24.721 | 31.088  | -5.260 | -53.563  | 0.990 | 16.141 |
| 15                                  | -2.854 | 172.269  | 7.031  | 48.601  | -24.737 | 32.183  | -5.450 | -55.464  | 1.076 | 14.199 |
| 16                                  | -2.634 | 167.897  | 6.332  | 42.359  | -24.580 | 34.613  | -5.506 | -61.495  | 1.055 | 14.017 |
| 17                                  | -2.592 | 164.341  | 5.885  | 37.766  | -24.373 | 35.833  | -5.439 | -65.857  | 1.048 | 13.786 |
| 18                                  | -2.480 | 159.777  | 5.443  | 32.561  | -24.055 | 39.522  | -5.418 | -70.660  | 0.995 | 14.749 |
| 19                                  | -2.444 | 156.886  | 4.921  | 29.463  | -23.900 | 41.464  | -5.463 | -74.320  | 1.031 | 13.325 |
| 20                                  | -2.426 | 152.840  | 4.484  | 24.517  | -23.613 | 42.897  | -5.630 | -78.993  | 1.068 | 12.452 |
| 21                                  | -2.335 | 150.013  | 4.032  | 21.184  | -23.258 | 46.457  | -5.322 | -83.283  | 0.985 | 13.645 |
| 22                                  | -2.287 | 147.587  | 3.518  | 16.515  | -22.824 | 46.118  | -5.277 | -88.436  | 0.966 | 13.171 |
| 23                                  | -2.125 | 144.720  | 3.151  | 12.203  | -22.251 | 47.678  | -5.322 | -95.031  | 0.870 | 12.701 |
| 24                                  | -2.200 | 141.726  | 2.718  | 8.153   | -21.957 | 47.983  | -5.225 | -100.633 | 0.918 | 12.337 |
| 25                                  | -2.028 | 139.457  | 2.243  | 4.044   | -21.202 | 51.531  | -5.159 | -105.565 | 0.800 | 11.722 |
| 26                                  | -1.992 | 137.815  | 1.829  | 0.310   | -20.709 | 49.459  | -4.779 | -110.553 | 0.712 | 11.269 |
| 27                                  | -2.105 | 135.778  | 1.380  | -3.350  | -19.968 | 53.389  | -4.538 | -113.699 | 0.706 | 10.674 |
| 28                                  | -1.818 | 134.508  | 0.990  | -6.766  | -19.487 | 51.132  | -4.610 | -120.484 | 0.588 | 10.239 |
| 29                                  | -1.841 | 131.270  | 0.675  | -10.983 | -18.906 | 50.863  | -4.339 | -125.602 | 0.546 | 9.791  |
| 30                                  | -1.716 | 128.616  | 0.274  | -14.750 | -18.467 | 50.134  | -4.226 | -130.296 | 0.484 | 9.370  |

### ORDERING INFORMATION:

When placing order or inquiring, please specify wafer number, if known. For details of Safe Handling Procedure please see supplementary information in available PDF on our website [www.mwtinc.com](http://www.mwtinc.com). For package information, please see supplementary application note in PDF format by clicking located on our website.

⚡DLODEOH3DFNDU⚡

70 Package - MwT-PH3F70

71 Package - MwT-PH3F71

73 Package - MwT-PH3F73