

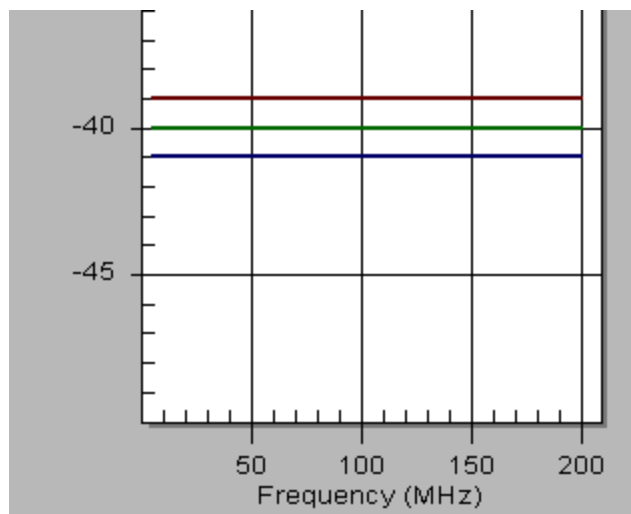
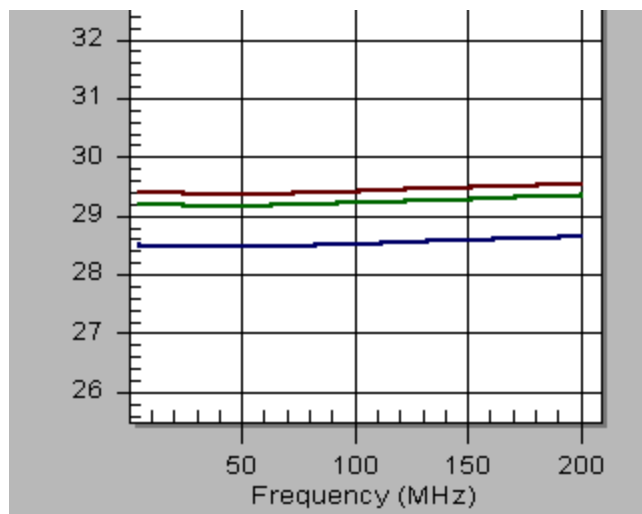


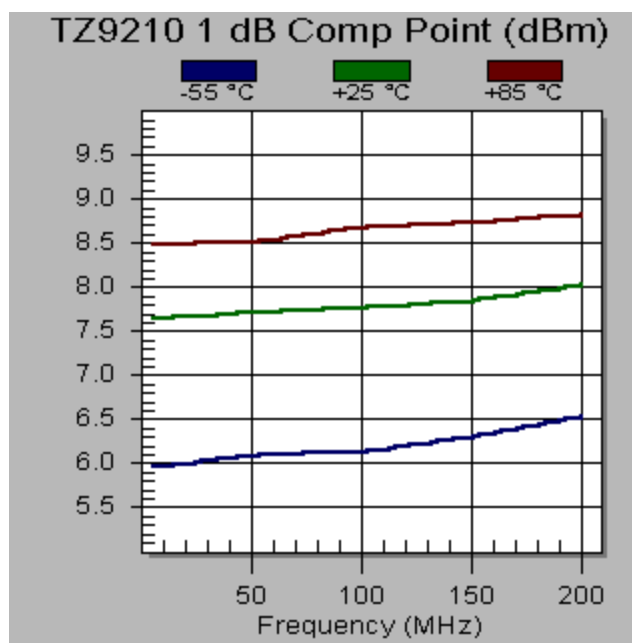
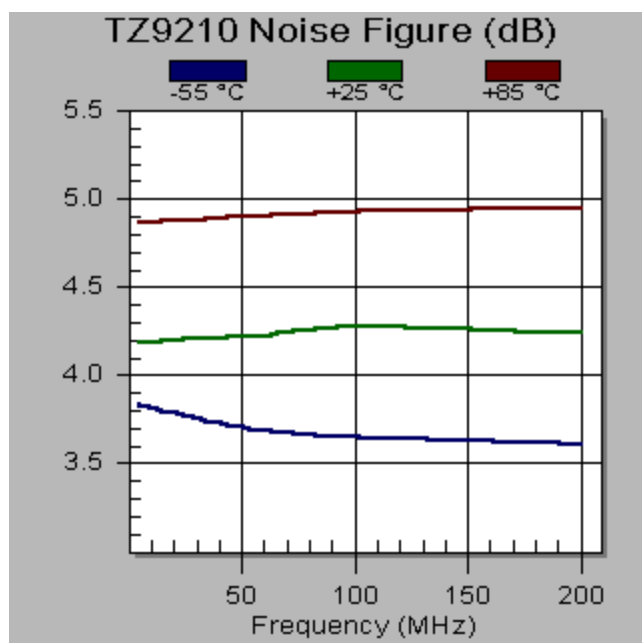
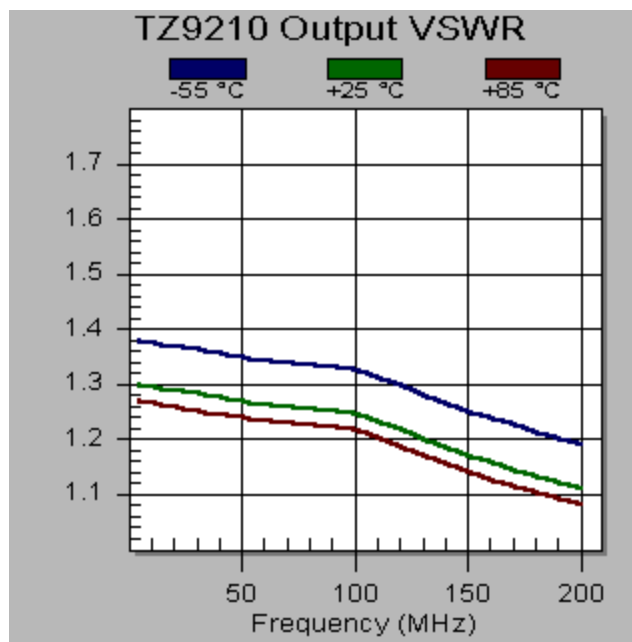
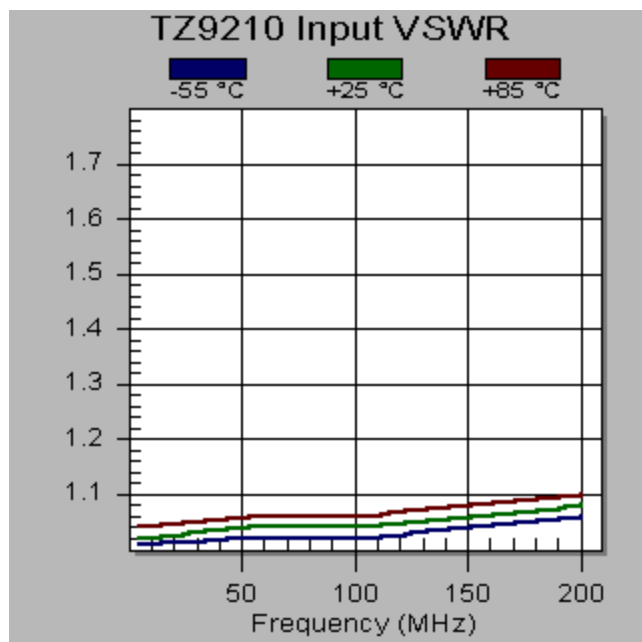
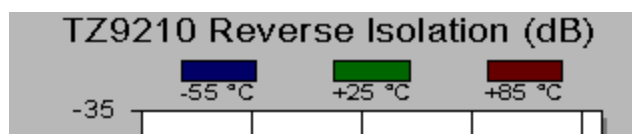
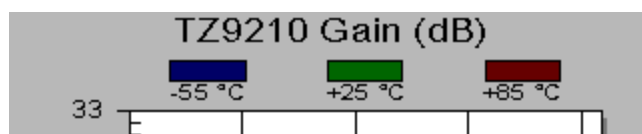
## TZ9210

### Product Data Summary

| Parameter                       | Min/Max       | Typical   |
|---------------------------------|---------------|-----------|
| Operating Frequency             | kHz - 200 MHz |           |
| Noise Figure                    | 6.0 dB        | 4.5 dB    |
| Gain                            | 27.5 dB       | 29.0 dB   |
| Power Output (1 dB Compression) | +5.0 dBm      | +7.0 dBm  |
| 2nd Order Intercept             |               | +33.0 dBm |
| 3rd Order Intercept             |               | +19.0 dBm |
| Reverse Isolation               | -39.0 dB      | -41.0 dB  |
| VSWR Input                      | 2.0:1         | 1.3:1     |
| VSWR Output                     | 2.0:1         | 1.5:1     |
| DC Voltage                      |               | 15.0 V    |
| DC Current                      |               | 35.0 mA   |

### Typical Performance





## Packaging Options

## S-Parameters

| Frequency | S11   |       | S21   |       | S12    |       | S22   |       |
|-----------|-------|-------|-------|-------|--------|-------|-------|-------|
| (MHz)     | Mag   | Ang   | Mag   | Ang   | Mag    | Ang   | Mag   | Ang   |
| 5         | 0.010 | -17.0 | 28.83 | -2.0  | 0.0100 | -1.0  | 0.130 | -2.0  |
| 50        | 0.020 | -31.0 | 28.72 | -22.0 | 0.0100 | -16.0 | 0.120 | -5.0  |
| 100       | 0.020 | -31.0 | 28.92 | -45.0 | 0.0100 | 21.0  | 0.110 | -12.0 |
| 150       | 0.030 | -32.0 | 29.14 | -68.0 | 0.0100 | 19.0  | 0.080 | -11.0 |
| 200       | 0.040 | -28.0 | 29.35 | -91.0 | 0.0100 | 26.0  | 0.050 | 6.0   |

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