

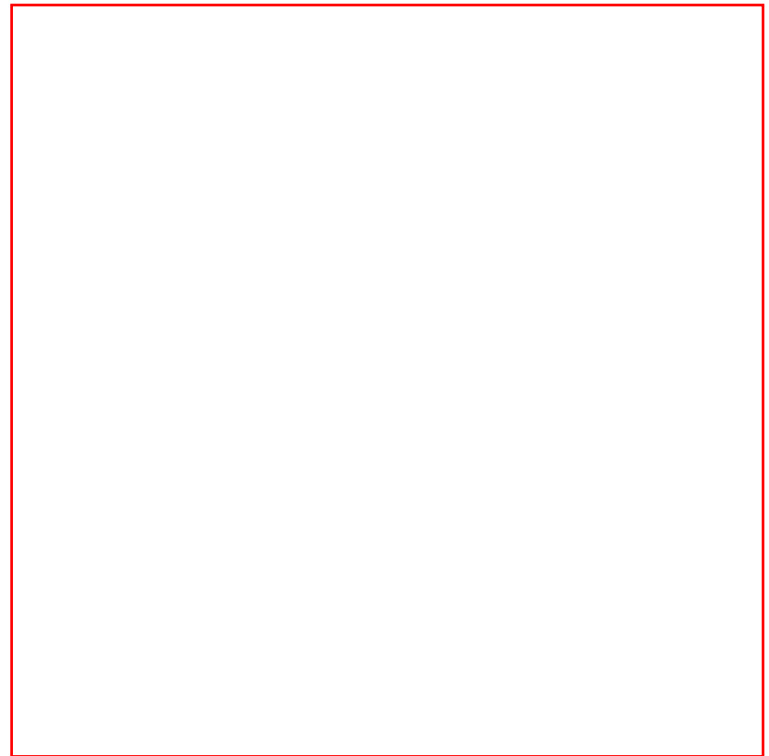
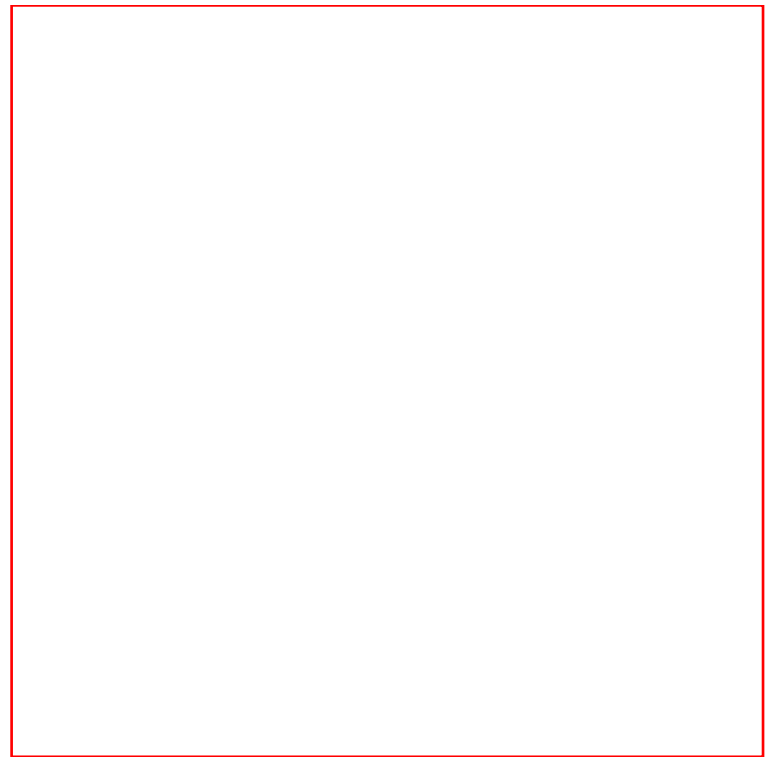
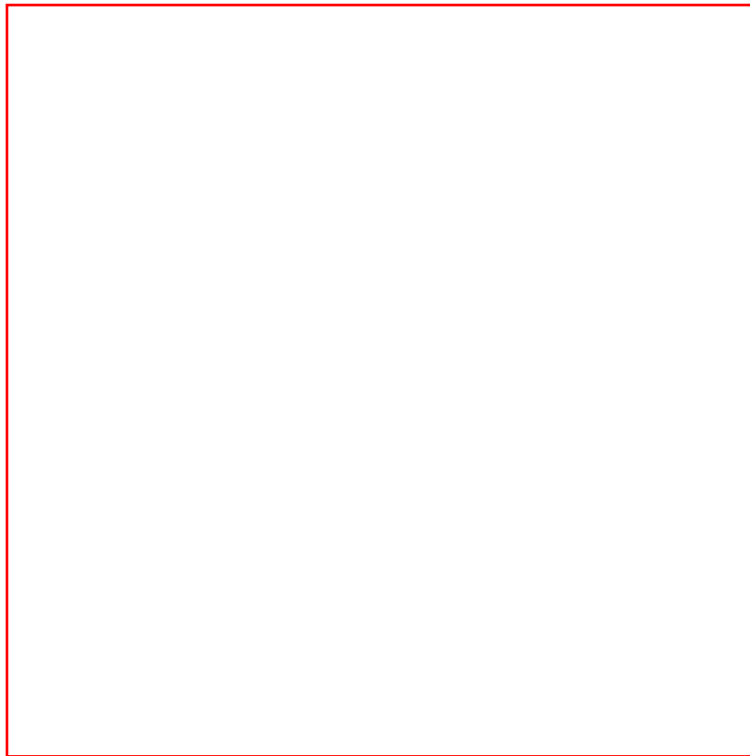
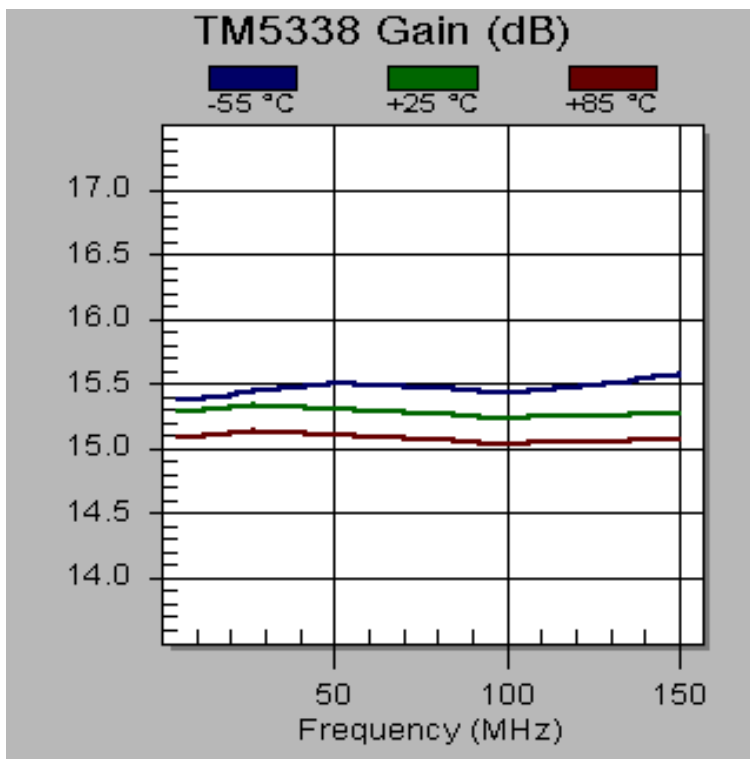


# TM5338

## Product Data Summary

| Parameter                       | Min/Max     | Typical   |
|---------------------------------|-------------|-----------|
| Operating Frequency             | 5 - 150 MHz |           |
| Noise Figure                    | 3.5 dB      | 2.7 dB    |
| Gain                            | 14.0 dB     | 15.0 dB   |
| Power Output (1 dB Compression) | +23.0 dBm   | +25.0 dBm |
| 2nd Order Intercept             |             | +44.0 dBm |
| 3rd Order Intercept             |             | +36.0 dBm |
| Reverse Isolation               | -19.0 dB    | -20.0 dB  |
| VSWR Input                      | 2.0:1       | 1.5:1     |
| VSWR Output                     | 2.0:1       | 1.3:1     |
| DC Voltage                      |             | 12.0 V    |
| DC Current                      |             | 88.0 mA   |

## Typical Performance



## Packaging Options

### S-Parameters

| Frequency | S11   |        | S21  |        | S12    |        | S22   |        |
|-----------|-------|--------|------|--------|--------|--------|-------|--------|
| (MHz)     | Mag   | Ang    | Mag  | Ang    | Mag    | Ang    | Mag   | Ang    |
| 5         | 0.160 | -96.0  | 5.81 | -164.0 | 0.0900 | -171.0 | 0.090 | -42.0  |
| 25        | 0.060 | -140.0 | 5.85 | 169.0  | 0.1000 | 167.0  | 0.020 | -90.0  |
| 50        | 0.070 | -153.0 | 5.83 | 154.0  | 0.1000 | 151.0  | 0.020 | -105.0 |
| 100       | 0.090 | -162.0 | 5.78 | 125.0  | 0.1000 | 120.0  | 0.040 | -152.0 |
| 150       | 0.170 | -169.0 | 5.80 | 94.0   | 0.1000 | 89.0   | 0.090 | 149.0  |

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