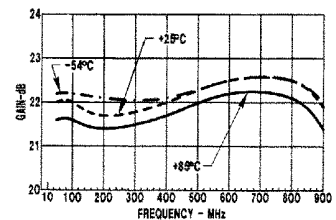


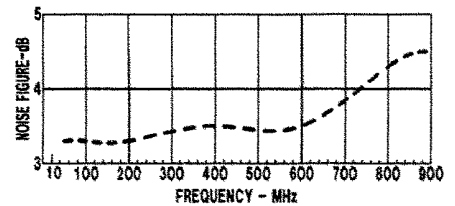
### Typical Performance @ 25°C

| Characteristics                  | Typical | Guaranteed |               |
|----------------------------------|---------|------------|---------------|
|                                  |         | 0° to 50°C | -54° to +85°C |
| Frequency                        |         |            |               |
| Small Signal Gain (min.)         |         |            |               |
| Gain Flatness (max.)             |         |            |               |
| Reverse Isolation                |         |            |               |
| Noise Figure (max.)              |         |            |               |
| Power Output @ 1 dB comp. (min.) |         |            |               |
| IP3                              |         |            |               |
| IP2                              |         |            |               |
| Second Order Harmonic IP         |         |            |               |
| VSWR Input / Output (max.)       |         |            |               |
| DC Current @ 15 Volts (max.)     |         |            |               |

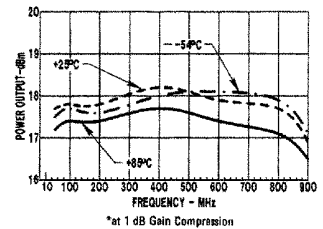
Gain vs. Temperature vs. Frequency



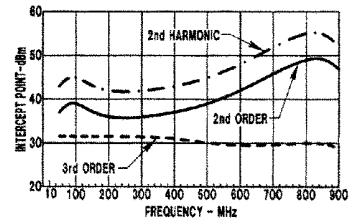
Noise Figure



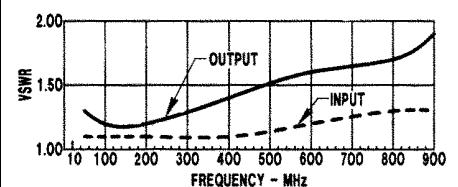
Power Output\*



Intercept Point



Input/Output VSWR



### Absolute Maximum Ratings

- Storage Temperature
- Max. Case Temperature
- Max. DC Voltage
- Max. Continuous RF Input Power
- Max. Short Term RF Input Power (1 minute max.)
- Max. Peak Power (3 μsec max.)
- “S” Series Burn-in Temperature (Case)

### Thermal Data: $V_{cc} = 15 \text{ Vdc}$

- Thermal Resistance  $\theta_{jc}$
- Transistor Power Dissipation  $P_d$
- Junction Temperature Rise Above Case  $T_{jc}$

### Outline Drawings

| Package Figure Model | TO-8 | Surface Mount | SMA Connectorized |
|----------------------|------|---------------|-------------------|
|                      |      |               |                   |