

| 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.) | | | |

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 μ sec max.)
 "S" Series Burn-in Temperature (Case)

Thermal Data: $V_{cc} = 15$ Vdc

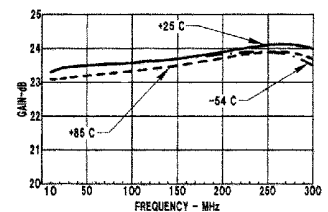
Thermal Resistance θ_{jc}
 Transistor Power Dissipation P_d
 Junction Temperature Rise Above Case T_{jc}

Outline Drawings

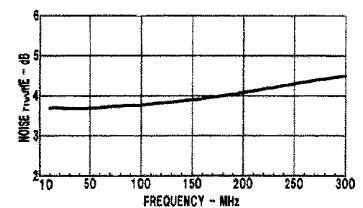
| Package Figure Model | TO-8 | Surface Mount | SMA Connectorized |
|----------------------|------|---------------|-------------------|
| | | | |

Typical Performance @ 25°C

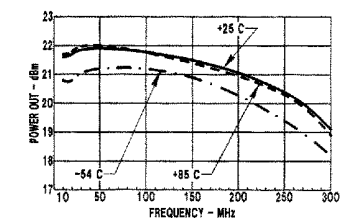
Gain vs. Temperature



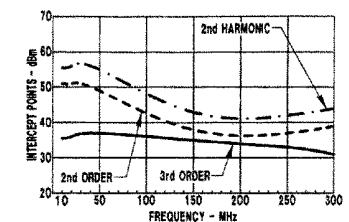
Noise Figure



Output Power vs. Temperature*



Intercept Points



Input/Output VSWR

