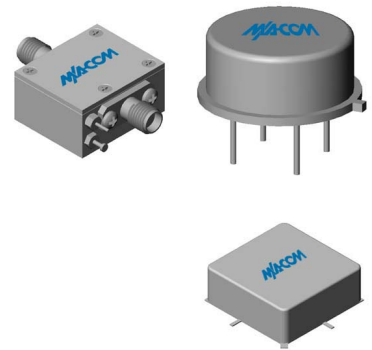




## Typical Performance @ 25°C

| 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.)     |         |            |               |

## 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  $\mu$ sec max.)  
 "S" Series Burn-in Temperature (Case)

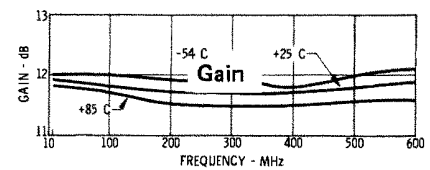
## Thermal Data: $V_{cc} = 15$ Vdc

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

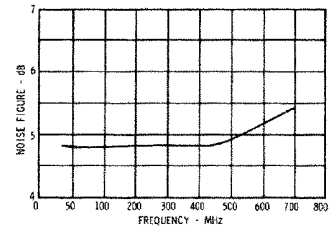
## Outline Drawings

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

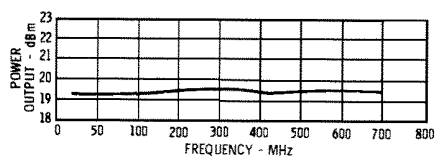
### Gain



### Noise Figure

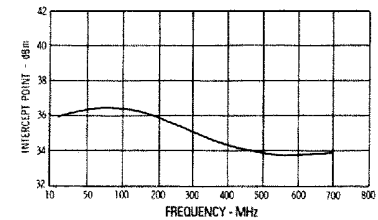


### Power Output\*



\*at 1 dB Gain Compression

### 3rd Order Two Tone Intercept Point



### VSWR

