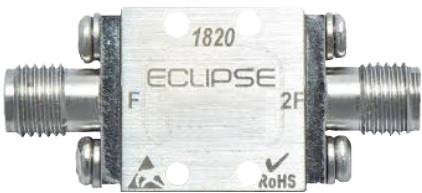


# D4090L Frequency Doubler

4.0 to 9.0 GHz



## Technical Characteristics

| Absolute Maximum Ratings     |                      |
|------------------------------|----------------------|
| Operating Temperature:       | -55 °C to +125° C    |
| Storage Temperature:         | -65 °C to +150° C    |
| Pk Power For Any Single Port | +23 dBm Peak @ +25°C |
| Peak Input Current @ +25°C   | 100 mA               |

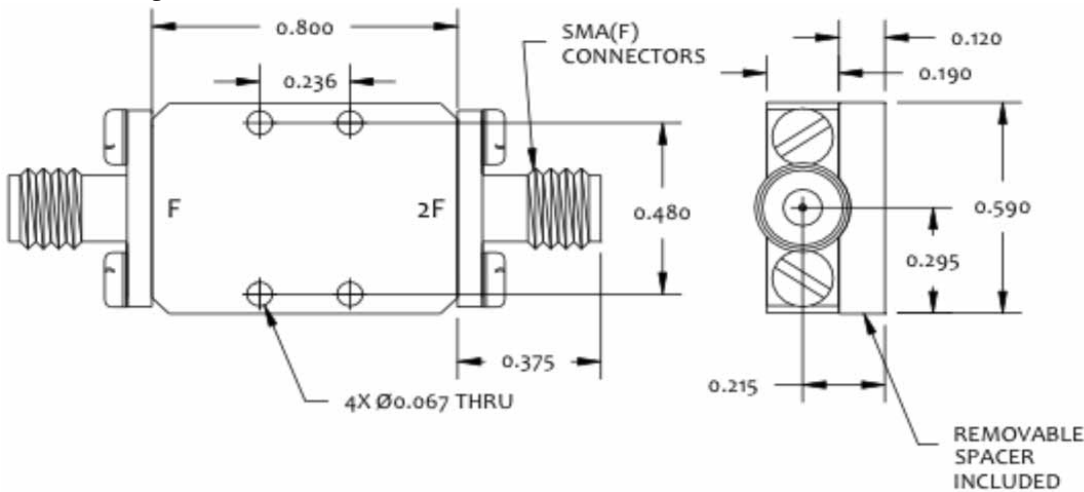
| Applications         |                     |
|----------------------|---------------------|
| Electronic Warfare   | Wide Frequency Band |
| Point-to-Point Radio | VSAT Radios         |

Specifications @ +25°

## Electrical Specification

| Parameters               | Min. | Typical | Max. | Units |
|--------------------------|------|---------|------|-------|
| Input Frequency          | 4.0  |         | 9.0  | GHz   |
| Output Frequency         | 8.0  |         | 18.0 | GHz   |
| Conversion Loss          |      | 10.5    | 12.0 | dB    |
| Input Power              |      | 10.0    | 13.0 | dBm   |
| Fundamental Isolation    | 23.0 | 30.0    |      | dB    |
| 3rd Harmonic Suppression | 23.0 | 30.0    |      | dBc   |

Outline drawing



Product Export Classification  
ECCN: EAR 99 (unless otherwise specified) HTS: 8541.10.0060

