

### **DESCRIPTION**

The HMI19-383-49.5-5.0 ferrite junction isolator is optimized for low loss and low VSWR over the frequency range of 47.0 to 52.0 GHz. The loss and VSWR performance of this isolator far exceeds that of a Faraday isolator. A smaller version of the isolator using UG-599/U-M flanges is available by special order.



### **FEATURES & BENEFITS**

- WR-19 Waveguide
- Low Insertion Loss
- High Isolation
- Low VSWR
- 1.5 W power handling (higher forward power handling available by special order)

Technical Specifications	
Parameter	Specification
Frequency Range	47.0 to 52.0 GHz
Insertion Loss	0.4 dB typ, 0.5 dB max
Isolation	18 dB min, 20 dB typ
VSWR	1.20 typ, 1.25 dB max
Power Handling	1.5W min (higher power handling available by special order)
Interfaces	WR-19, UG-383-U-M (UG-599/U-M available by special order)
Size	1.13"W (between waveguide flanges) x 1.41"L x 1.17"H