

# Directional UHF/VHF

## Antenna for Smallsats and Landers

### **MARS**

*Measurements of the lower ionosphere for the Incoherent Scatter Radar Mission to Mars. UHF communications with legacy Mars lander vehicles and sites for the Mars Stationary Orbiter.*

### **VENUS**

*UHF communications uplink between the orbiter and lander for the Venus Bridge Orbiter and Surface System.*

Log Periodic  
Dipole Array

### **Advantages:**

- *Directional and Deployable*
- *Lightweight and Low-Power Consumption*
- *Wide Bandwidth Covering VHF and UHF*
- *Polarization Diversity*