

Attachment 2 Environmental resistance

1. Mechanical environment

(1) Random vibration 22.8 G_{o-p}

(2) Sinusoidal vibration 30 G_{o-p}

(3) Shock

| Frequency (Hz) | Acceleration (m/s ²) | G _{o-p} |
|----------------|----------------------------------|------------------|
| 100 to 1500 | +8 dB/oct | - |
| 1500 to 4000 | 14710 | 1500 |

2. Thermal environment

-30^{+0/-5}°C to +80^{+5/-0}°C

3. Radiation environment

The resolver shall endure the radiation environment of the geostationary orbit for 10 years.