

HRS Coaxial Lightning Arrester

CP Series

◆ Features

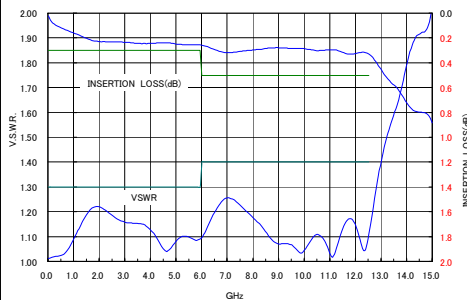
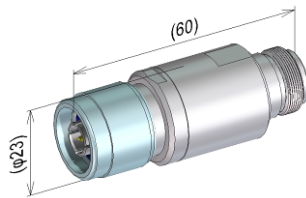
1. Prevents damage to coaxial antenna power line caused by dielectric lightning
2. Variations available
 - Technology types: Quarter wave short-circuit stub, Coil, Gas discharge tube (GDT), Semiconductor*
 - Interface types: N, SMA, TNC, BNC, U.FL etc.
3. Covers wide frequency range: DC to 12.5 GHz (with GDT type)
4. RoHS compliant



*Development will be studied upon request.

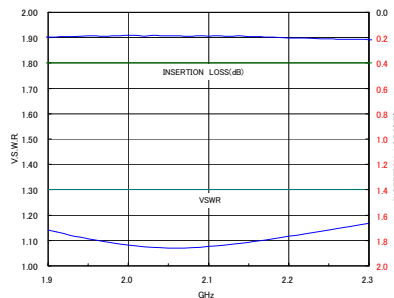
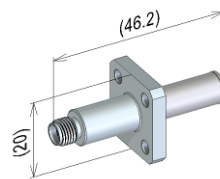
◆ Gas Discharge Tube Type (CP-N-PJG-3)

N Plug to N Jack



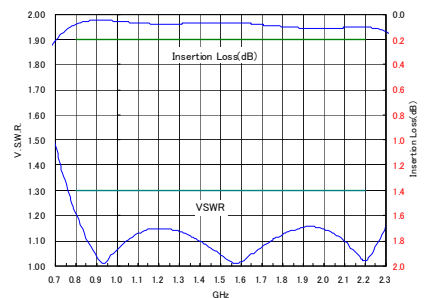
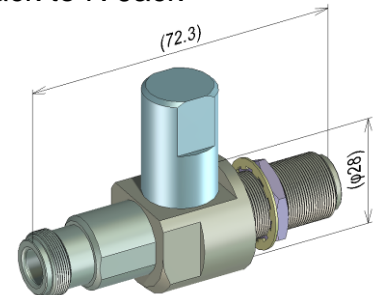
◆ Coil Type (CP-HRMJU.FLJC-1A)

SMA Jack to U.FL Jack



◆ Quarter Wave Short-circuit Stub Type (CP-N-JJS-1)

N Jack to N Jack



| Item | CP-N-PJG-3 | CP-HRMJU.FLJC-1A | CP-N-JJS-1 |
|------------------------------------|---------------------------|-----------------------|---------------------------------|
| Lightning Arrester Type | Gas Discharge Tube (GDT) | Coil | Quarter Wave Short-circuit Stub |
| Connector | N Plug to N Jack | SMA Jack to U.FL Jack | N Jack to N Jack |
| Characteristic Impedance | 50 Ω | 50 Ω | 50 Ω |
| Frequency Range | DC to 12.5 GHz | 2.12 to 2.17 GHz | 0.8 to 2.2 GHz |
| Operating Temperature Range | -40 °C to +70 °C | -40 °C to +85 °C | -40 °C to +85 °C |
| Storage Temperature Range | -40 °C to +70 °C | -40 °C to +85 °C | -40 °C to +85 °C |
| Power | 2 W | 1 W | 100 W |
| V.S.W.R. | 1.30 Max. (DC to 6 GHz) | 1.30 Max. | 1.30 Max. |
| Insertion Loss | 0.3 dB Max. (DC to 6 GHz) | 0.4 dB Max. | 0.2 dB Max. |
| DC Breakdown Voltage (100V/s) | 150 V to 500 V | - | - |
| Impulse Breakdown Voltage (1kV/μs) | 700 V Max. | - | - |
| Impulse Max. Peak Current | 8/20 μs • 2kA | 8/20 μs • 2kA | 8/20 μs • 5 kA |
| Insulation Resistance (DC100V) | 1,000 MΩ | - | - |

Specifications herein are subject to change without notice. Contact Hirose for latest specifications, drawings or availabilities.