

# High-Power High-Vacuum Microwave Components

Nihon Koshuha Co., Ltd. possesses advanced technologies and extensive knowhow in the field of high-power and high-vacuum Microwave equipment. We have manufactured a diverse range of these components for S band , C band, X band ultra high power.

## Dummy-loads, Water-loads

S-Band C-Band X-Band



S-Band High Power Dummy Load



C-Band High Power Dummy Load



C-Band water Load



X-Band Dummy Load

## Directional couplers

S-Band C-Band X-Band



S-Band High Power RF Monitor



C-Band Bethe Hole Directional Coupler



C-Band High Power RF Monitor



X-Band RF Monitor

## Vacuum Windows, Transitions

S-Band C-Band X-Band



S-Band Vacuum Window with Port



S-Band Vacuum Window



C-Band Vacuum Window



X-Band Sapphire Window



14GHz Vacuum Window

## E-bends, H-bends, Straights, Twists, T-junctions, Tapers

S-Band C-Band X-Band



Taper



C-Band T-Junction



X-Band H-Bend with View Port



X-Band H-Bend



X-Band T-Junction



X-Band 3 Stubs



X-Band Straight with Vacuum Ports

## Hybrid Waveguides

S-Band C-Band X-Band



C-Band Hybrid



C-Band Ridge Type Hybrid



C-Band Hybrid



S-Band Hybrid

## Other Components

S-Band C-Band X-Band



S-Band Phase Shifter



S-Band Variable Attenuator



S-Band Waveguide Switch



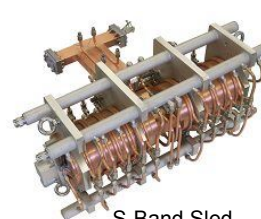
S-Band Constant impedance Type Accelerating Structure



RF Gun



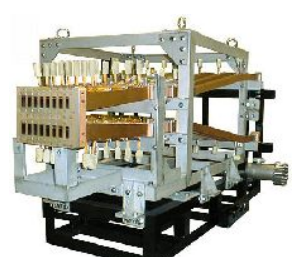
S-Band Choke Mode Type Accelerating Structure



S-Band Sled

High Power Two Coupling Wave Type

- Output Power 400MW
- Unloaded Q 100,000over



X-Band 16series of Taper Waveguides

