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 <https://sumitomoelectric.com/>



 <https://youtu.be/nnzZa9ngQnc>



01 | Company Introduction

Sumitomo Electric Industries (SEI) is a leading company in optical communication industry. Its products enable high-capacity data transmission, serving as the foundation of modern communication infrastructure. SEI also develops related equipment and systems like multi-core fibers, high-frequency GaN devices, access network equipment, and FTTH systems. Its business for future network, such as 5G and 6G, improves mobile network efficiency and performance, meeting rapidly evolving communication demands. Furthermore, SEI contributes to energy-efficient communication networks by promoting sustainable product and technology development.

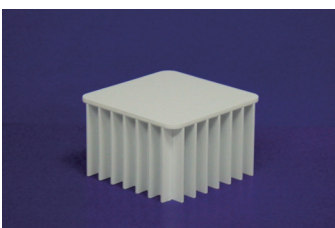
02 | Products Details

Analog Radio over Fiber SFP Optical Module



SEI has developed the world's first SFP optical module for Analog Radio over Fiber (A-RoF), leveraging its years of experience in the optical communication industry. This module enhances high-capacity communication and enables distributed MIMO in the context of 6G.

mmWave-ready Antenna Distribution System



SEI is actively involved in the development of Distributed Antenna Systems (DAS) utilizing A-RoF technology. Its unique concept enables mmWave-ready DAS, which was previously unachievable with coaxial cables. Furthermore, A-RoF streamlines DAS architecture, leading to equipment miniaturization, cost reduction, and lower power consumption. This innovative solution significantly reduces CAPEX and OPEX for customer systems.

This activity is including results obtained from a project (JPNP20017) commissioned by the New Energy and Industrial Technology Development Organization (NEDO).