



NJT5118

NJT5118 is a brand-new model, 14 GHz 8 W output power transmitter for VSAT (Very Small Aperture Terminal) system of satellite communication, developed as generic product.

Main Products

Component products for Satellite and Terrestrial Communications, and Sensors

Our main products are microwave-band BUCs (Block Up Converters), LNBs (low-noise down converters) and transceivers. For satellite communications, Ku-band (14 GHz) BUCs are main products. In addition, the wide range of choice is available from the C-band (5 to 6 GHz) to Ka-band (30 GHz). For terrestrial communications, fixed wireless access transceivers are main products. In sensors, both X-band (10 GHz) and K-band (24 GHz) doppler sensor modules are main products.

[Performance in Fiscal 2007 and Fiscal 2008 Targets]

Sales were ¥4,732 million (decrease of 23.8% compared to the previous year) due to the cooling satellite communications (VSAT) market. This decrease was partly offset by growing sales of products for digital terrestrial broadcasting equipment.

•Component Products for Satellite Communications and Broadcasting

Our main component products for satellite communications were affected by the 2007 market slowdown after the boom in fiscal 2006. However, sales of K-band (20 GHz) LNBs for VSAT made a good start. We are focusing on developing higher-output-power BUCs, particularly Ku-band 8-W BUCs will be released in fiscal 2008, featuring the compactness in size and high-efficiency in power consumption. We will continue to strengthen the lineup of BUCs, in parallel with investigation of commercialization of integrated transmission and reception.

•Component Products for Terrestrial Communications

The WIPAS (Wireless IP Access System) sales areas have been expanded from Japan to overseas. Compliance with RoHS and ETSI (European standard) is complete. In fiscal 2008, we will serialize RF units for digital terrestrial broadcasting relays.

•Sensors

We commercialized K-band (24 GHz) FMCW radar modules as well as conventional Doppler sensors based on time-proven core technologies. We are looking forward to offering products in full compliance with the Japanese Radio Law. Conventional Doppler modules can detect moving people and objects and are used in home and car security systems, automatic doors, speed guns and toys. In contrast, FMCW radar modules can measure distances to stationary people and objects, so use is expected in many products including industrial applications. In fiscal 2008, we will focus on developing various kinds of sensor for both automotive and industrial markets.



NJR4222PL

NJR4222PL is a 24 GHz "FMCW Radar" module which calculates the distance from the radar to object or human.