













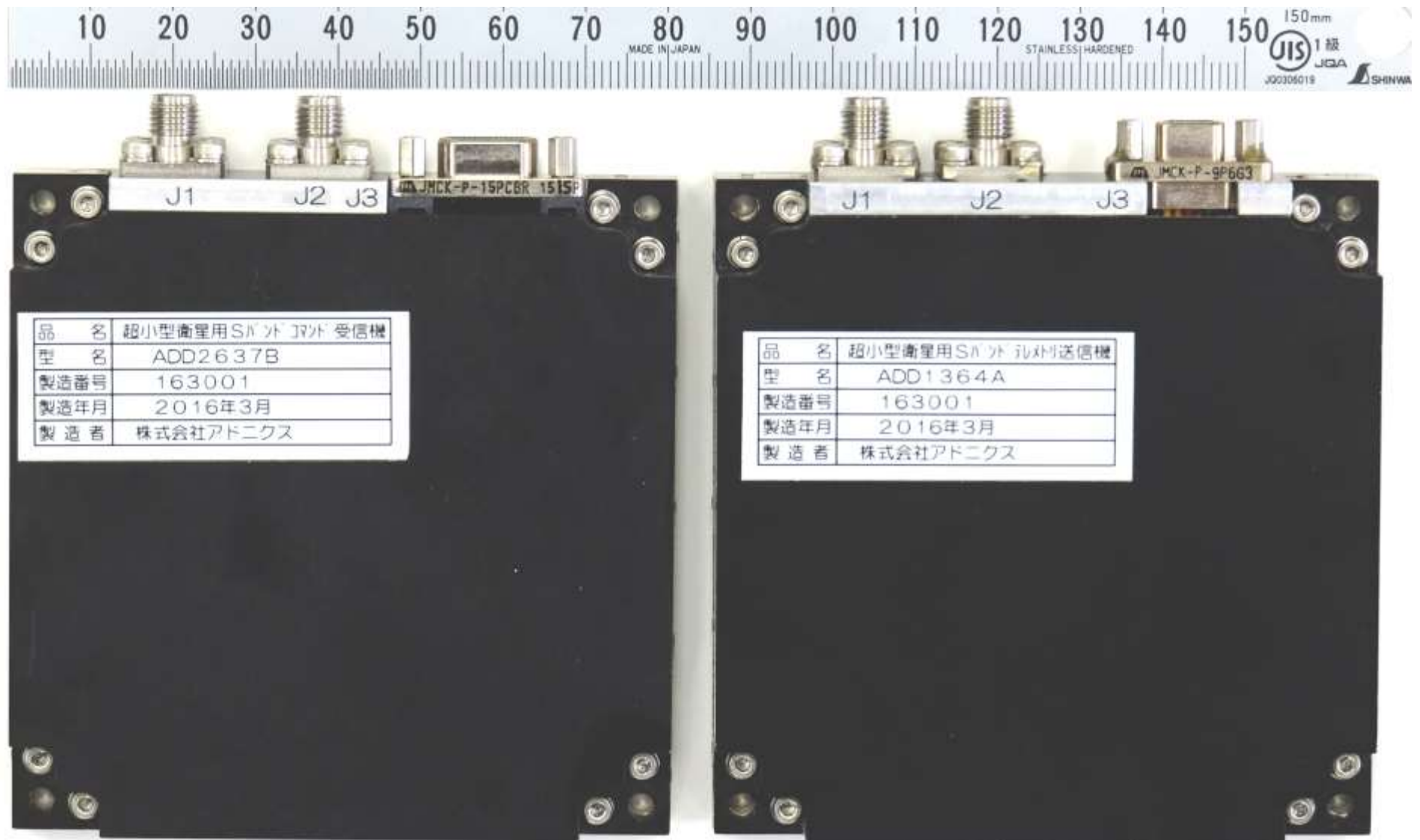


ADDNICS offers a broad platform of Micro/Nano/Cube satellites RF communication system of high quality & functionality.

REIMEI (INDEX) [Aug 2005]		◆S-Band Telemetry Transmitter RF Power: 2W Mod type: PCM-PM Bit Rate: PM/130kbps 150mm x 110mm x 50 mm / 790g			◆S-Band Command Receiver Mod type: PCM-PSK-PM Bit Rate:1kbps Subcarrier :16kHz 100mm x 100mm x 57 mm / 550g		◆S-Band Ground station 
SPRITE-SAT [Jan 2009]		◆S-Band Telemetry Transmitter RF Power: 0.1W Mod Type : BPSK Bit Rate: 100kbps 95mm x 50mm x 20mm / 140g			◆S-Band Ground station • Telemetry Receiver • Command Signal Generator		
RAIKO [Oct 2012] / Ksat-2 [Feb 2014]		◆S-Band Telemetry Transmitter RF Power:0.1W Mod type: BPSK/100kbps 40mm x 80mm / 20g			◆S/U-Band Command Receiver S-Band: PCM-PSK-PM / 1kbps U-Band: FSK Modulation / 1200bps 80mm x 92mm / 40g		
◆Ku-Band Beacon Transmitter RF Power:1mW/CW 27mm x 47mm / 10g			◆Ku-Band Transmitter RF Power:0.1W Mod type/ Bit Rate : BPSK/100kbps 40mm x 80mm / 20g				
RISING-2 [May 2014]		◆S-Band Telemetry Transmitter RF Power:0.1W Mod type : BPSK Bit Rate :100kbps 95mm x 50mm x 32.5 mm / 250g			◆S-Band Ground station Telemetry Receiver		
UNIFORM-1 [May 2014]		◆X-Band Transmitter RF Power:2W Mod type/Bit Rate : MSK/10Mbps CCSDS (1/2 Rate, K=7) encoding 120mm x 100mm x 70 mm / 1150g			◆X-Band Ground station • 10Mbps MSK Data Receiver • S/720MHz Downconverter		
HODOYOSHI-3,-4 [May 2014]		◆X-Band Transmitter RF Power:2W Mod type: QPSK, 16QAM, 64APSK Bit Rate : Up to 600Mbps 120mm x 100mm x 73 mm / 1300g			◆X-Band Ground station • 10Mbps QPSK Data Receiver • S/140MHz Downconverter		
PROCYON [Nov 2014]		◆X-Band Transponder for deep space CMD Bit Rate : 15.625/125/1kbps ,8~32.768kbps Mod type:PCM-PSK-PM 120mm x 100mm x 100 mm / 1170g			◆Ground Support Equipment • PCM-PSK-PM Demodulator • PCM-PSK-PM Generator		
S-CUBE [Sept 2015]		◆Addnics Buss Unit (AUB) S-Band Telemetry Transmitter S-Band Beacon Transmitter U-Band Command Receiver MPPT Power Management 80mm x 80mm x 37mm / 300g			◆S-Band Ground station • PCM-PSK-PM/BPSK Demodulator • PCM-PCK-PM Generator		
DIWATA-1 [Apr 2016]		◆S-Band Command Receiver ◆U-Band Command Receiver ◆S-Band TelemetryTransmitter ◆X-Band TelemetryTransmitter			◆S/X-Band Ground station • Command Signal Generator • Telemetry Receiver - Demodulator • Data Receiver - Demodulator		

Specializing in high quality wireless communication systems for Micro/Nano/Cube satellite platforms.

A88 series communication component



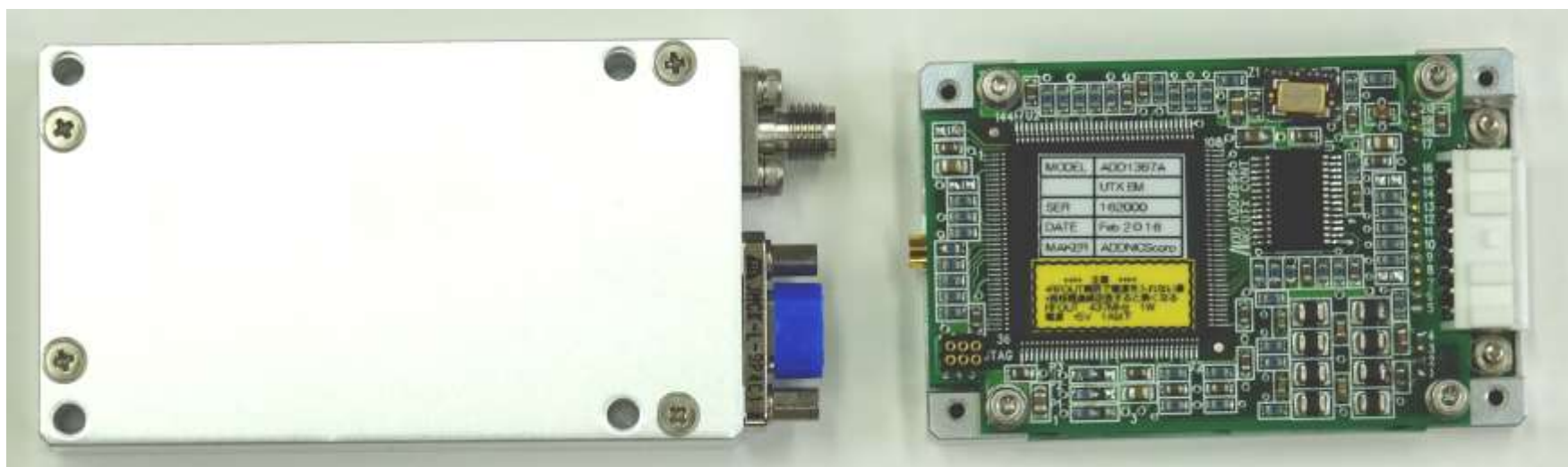
S-band Receiver FULL SCALE

Frequency: 2050MHz to 2100 MHz Data Rate: 1kbps
 Demodulation: PCM-PSK-PM Input Voltage: +5V to +12V
 Power Consumption: <1W
 80mm X 80mm X 15mm / 120g
 Operating Temperature: -20°C to 60°C

S-band Transmitter FULL SCALE

Frequency: 2250MHz to 2300 MHz Input Voltage: +5V to +12V
 RF Power: 0.1W Power Consumption <2.5W
 Modulation: BPSK
 80mm X 80mm X 15mm / 120g
 Operating Temperature -20°C to 60°C

nano series communication component



S-band / UHF-band Transmitter FULL SCALE

Frequency: 430 to 440MHz / 2250MHz to 2300 MHz (adjustable per order)
 RF Power: 0.8W Modulation: GMSK/BPSK
 70mm X 40mm X 14mm (case)

60mm X 38mm X 10.5mm (board)