

# Programmable Attenuator

ist-213

50Ω 0 – 110 dB, 0.25 dB step 1000 to 6000 MHz

## Maximum Ratings

Operating Temperature	-25°C to 50°C
Storage Temperature	-45°C to 85°C
Max RF Input	30 dBm

Permanent damage may occur if any of these limits are exceeded.

## Connections

ATTENUATOR 1 INPUT / OUTPUT	1
ATTENUATOR 1 OUTPUT / INPUT	2
ATTENUATOR 2 INPUT / OUTPUT	3
ATTENUATOR 2 OUTPUT / INPUT	4
ATTENUATOR 3 INPUT / OUTPUT	5
ATTENUATOR 3 OUTPUT / INPUT	6
ATTENUATOR 4 INPUT / OUTPUT	7
ATTENUATOR 4 OUTPUT / INPUT	8
DC IN	9
USB	10
ETHERNET	11

## Features

- Four independently programmable channels
- Wide attenuation range, 110 dB
- Fine attenuation resolution, 0.25 dB
- Compact sized
- Built in Fixed Phase Shifter
- Low Leakage
- Built in Web Server
- USB and Ethernet control
- Simultaneous, bidirectional RF signal transmission with Symmetrical performance

## Applications

- MIMO test sets
- Automated Test Equipment
- Laboratory Instrumentation
- Production Test
- WiMAX, 3G, 4G, LTE, DVB Fading Simulators
- Power level cycling
- Handover system Evaluation



## Electrical Specifications Typical Performance Data

Parameter	Frequency range (MHz)	Typ.	Units
Main Line Loss	1000 - 2000	10.6	dB
Main Line Loss	2000 - 3000	11	dB
Main Line Loss	3000 - 4000	12.4	dB
Main Line Loss	4000 - 5000	14	dB
Main Line Loss	5000 - 6000	16.5	dB
Attenuation range	1000 - 6000	Main Line + 110	dB
Attenuation Resolution	1000 - 6000	0.25	dB

