



IFSA BaseLine Series

...designed for perfect signals



IF Active Splitter with redundant Amplifier

The IFSA BaseLine Splitter represents professional active IF splitting in a compact 1RU/19" rack mount chassis, especially designed for RF distribution applications where excellent, stable and accurate signal quality and performance is necessary.

The unit is available as 4-way or 16-way active splitter and operate at the IF frequency range 50 – 200MHz.

Additionally, they feature RF power monitoring at all inputs and at its output and come with 1:1 amplifier and 1:1 redundant dual power supply.

Front side status LED's indicating and monitoring the health status of the unit. Remote configuration, monitoring and alarming can be done via an RJ45 Ethernet-Interface (WebGUI, SNMP).



FEATURES & BENEFITS

- ▶ IF frequency (50 – 200MHz)
- ▶ 1:4 or 1:16 splitting
- ▶ 1:1 redundant amplifier
- ▶ 50Ohm SMA(f)

- ▶ Threshold monitoring
- ▶ Front panel status LED's
- ▶ Remote configuration and monitoring (WebGUI, SNMP)
- ▶ 1:1 redundant dual power supply



TECHNICAL SPECIFICATIONS

Dimensions:	1RU/19" rack mount
Power Supply:	85 – 264V, 50/60Hz, 1:1 redundant
Power Consumption:	<10W
Frequency Range:	50 – 200MHz (10MHz with Option IFSA10)
Input/Output Connectors:	50Ohm SMA(f)
Input RF Power:	Nominal -10dBm, +10dBm max. damage level
Input/Output Return Loss:	18dB min., 20dB typ.
Noise Figure:	8dB max.
Isolation:	23dB min., 25dB typ.
Insertion Loss:	0dB typ., ±0.5dB max.
Frequency Response:	±0.5dB typ., ±1.0dB max.
P1dB:	+3dBm typ.
IMA3 @ -10dBm:	-60dBc typ.
SFDR:	< - 80dBm
Gain Adjust:	0 to +5dB (1:16), +10dB (1:4) at splitter output for all ports together, step 0,5dB (not Option IFSA10)
RF Power Monitoring:	-40 to 0dBm dynamic range, calibrated to LTE signal on request, standard CW calibration
Threshold Monitoring:	-30 to 0dBm adjustable all inputs and common output with alarm
Remote Configuration:	RJ45 Ethernet-Interface (WebGUI, SNMP)
Status LED's:	Power supply, Splitter Module, Ethernet status
Operating Temperature:	0°C to 50°C
Storage Temperature:	-20° to 75°C
MTBF:	390khours MIL-HDBK-217F (25°C)
Humidity:	90%, non-condensing
RoHS:	Compliant

ORDER INFORMATION

Type with 50Ohm SMA(f)

Module Type	Type No.	Short Description
IFSA104R-50S	9001313	Active IF Splitter 1:4, IF 50 – 2000MHz, 1:1 redundant amplifier, adjustable gain 0 to 10dB, Output RF power monitoring, THD function, 50Ohm SMA(f), Status LED, Ethernet-Interface (WebGUI, SNMP), 1:1 redundant PSU, Frontside Measurement Port
IFSA116R-50S	9001222	Active IF Splitter 1:16, IF 50 – 2000MHz, 1:1 redundant amplifier, adjustable gain 0 to 5dB, Output RF power monitoring, THD function, 50Ohm SMA(f), Status LED, Ethernet-Interface (WebGUI, SNMP), 1:1 redundant PSU, Frontside Measurement Port

OPTIONS

Type	Type No.	Short Description
Option IFSA10	9001389	10MHz Low Frequency Option for IFSA116R, no gain adjust IFSA116R-50S/10
Option IFSA-IR	9001390	2 nd Input for input signal redundant operation