



ISA BaseLine Series

...designed for perfect signals



IF Active Splitters (8-way, 16-way)

The ISA Baseline series represents professional active IF splitters 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 units are available as 8-way or 16-way active splitters and operate at the IF frequency range 40 – 200MHz.

Additionally, they feature RF power monitoring and come with 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 (40 to 200MHz)
- Available as single splitter with 1:8 or 1:16 capacity
- 50Ohm SMA(f) or 50Ohm BNC(f)
- RF power 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 (hot-swappable)
Power Consumption:	<10W
Frequency Range:	40 – 200MHz
Input/Output Connectors:	50Ohm SMA(f), 50Ohm BNC(f)
Input RF Power:	+10dBm max.
Input/Output Return Loss:	18dB min., 23dB typ.
Noise Figure:	4dB typ., 5dB max.
Isolation:	23dB min., 25dB typ.



Insertion Loss:	0dB typ., ±1.0dB max.
Frequency Response:	±0.5dB max.
P1dB:	+6dBm typ.
IMA3 @ -10dBm:	-46dBc typ.
SFDR:	< - 80dBm
RF Power Monitoring:	-60 to +5dBm dynamic range
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
ISA108-50S	9001144	Active IF Splitter, 1:8
ISA116-50S	9001142	Active IF Splitter, 1:16

Type with 50Ohm BNC(f)

Module Type	Type No.	Short Description
ISA108-50B	on request	Active IF Splitter, 1:8
ISA116-50B	9001157	Active IF Splitter, 1:16