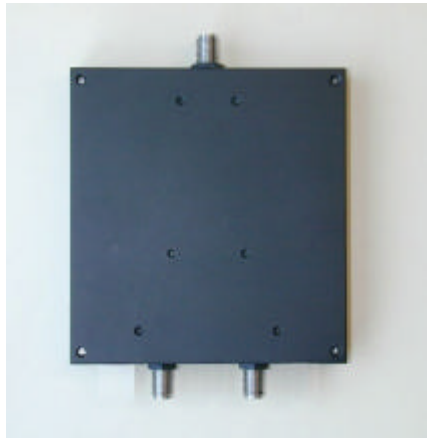


FH SERIES

Sage Laboratories, Inc. has introduced a broadband quadrature combiner that operates in the military communications frequencies and satisfies emerging needs for electronic countermeasures systems.

The model FH8128-2 is designed for use in the output section of power amplifier systems to combine two quadrature phased, equal amplitude inputs to a single output. This broadband device features low loss, robust power handling, and is designed to operate in rugged environments.

Filtronic Signal Solutions continues to design and manufacture product offerings of passive and active components and integrated assemblies under the Sage Laboratories name.



FEATURES

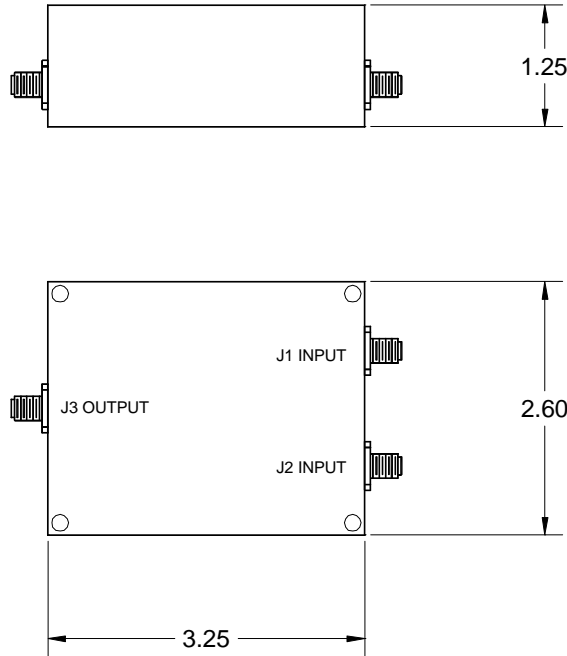
- Broadband Performance
- Low Loss
- Maximum input power 200 Watts
- Wide Operating Temperature Range
- Other Connector Options and Customized Frequency Bands Available

SPECIFICATIONS

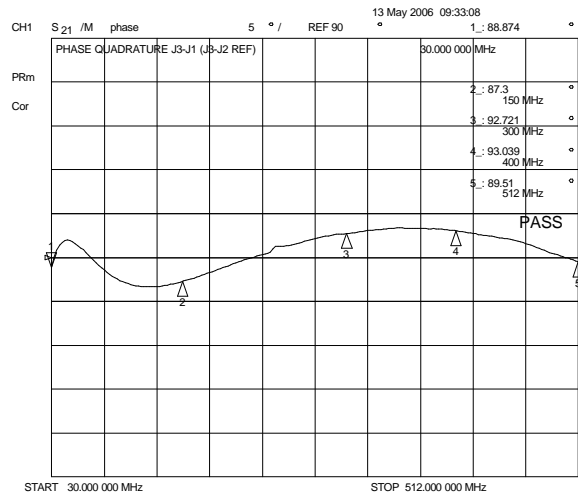
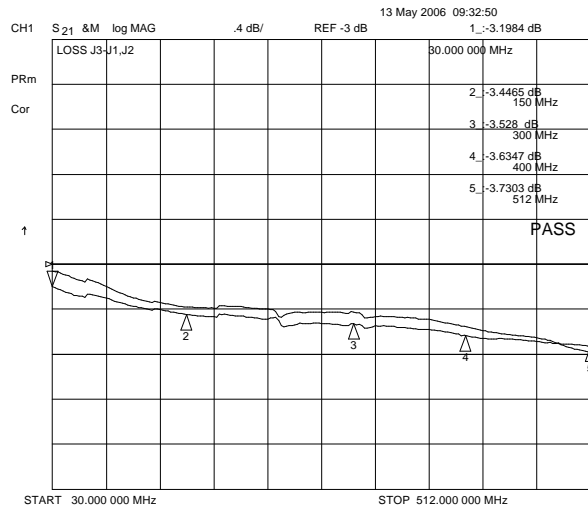
<i>PARAMETER</i>	<i>PERFORMANCE</i>
Frequency	30-512 MHz
Insertion Loss	0.8 dB max.
Amplitude Balance	± 0.3 dB max
Phase Quadrature	± 10°
Isolation	20 dB min.
VSWR	1.5:1 max.
Maximum Input Power (per input)	50 Watts CW; 200 Watts Peak
Connectors	SMA (f)
Construction	6061 Aluminum alloy case & cover
Operating Temperature	-40°C to +85°C
Environmental	Moisture Sealed
Model Number	FH8128-2



OUTLINE DRAWING



TYPICAL PERFORMANCE



MICSELLANIOUS:

1. Sage Laboratories Inc. "Standard Warranty and Order Terms and Conditions" apply to all orders.
2. All specifications subject to change without notice.
3. Contact our local Manufacturers Representative for pricing.

Specification Revision - 061906

