SKE-0002030830-SFSM-S1

Broadband Slope Equalizer, DC to 20 GHz

SKE-0002030830-SFSM-S1 is a broadband slope equalizer that covers a frequency range from DC to 20 GHz. The equalizer has a positive slope of 7 dB typical. The input and output ports are SMA connectors. Other RF connector types are offered under different model numbers.

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	DC		20 GHz
Insertion Loss @ DC		9 dB	
Insertion Loss @ 10 GHz		5 dB	
Insertion Loss @ 20 GHz		1.5 dB	
Return Loss		15 dB	
P_{in}			+30 dBm
Impedance		50 Ω	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

Mechanical Specifications:

Item	Specification
Input Connector	SMA (F)
Output Connector	SMA (M)
Case Material	Aluminum
Finish	Gold Plated Body, Black Anodized Cover
Weight	0.6 Oz
Outline	UH-120-2C

ECCN

EAR99

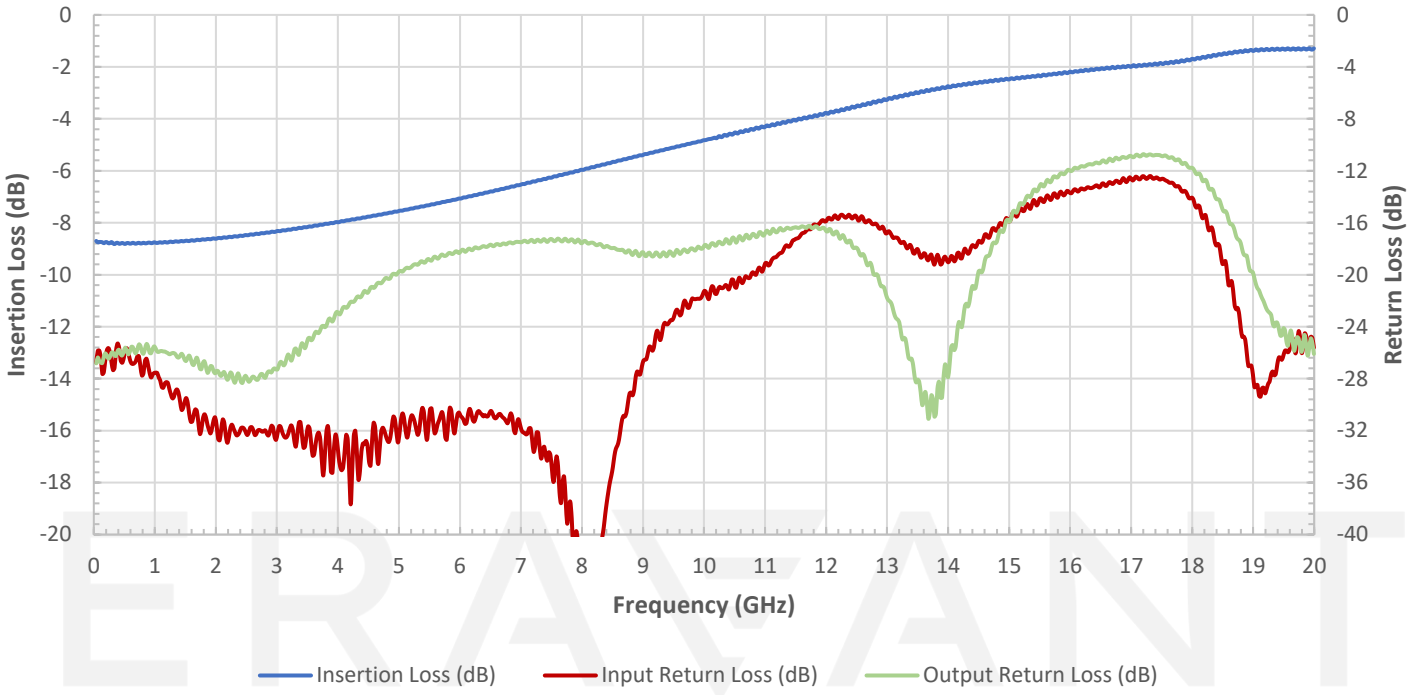
FEATURES

- Small Form Factor
- Low Insertion Loss
- Positive Slope

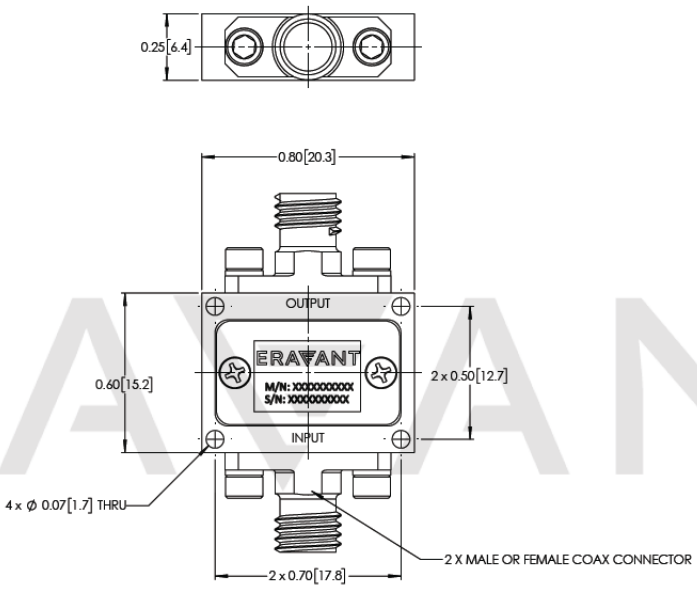
APPLICATIONS

- Cable Loss Compensation
- Amplifier Compensation

Typical Performance vs Frequency



Mechanical Outline: (Unless otherwise specified, all dimensions are in inches [millimeters])



NOTE:

- On condition that test data is provided it is collected from a sample lot. Actual data may vary slightly from unit to unit. All testing is performed under +25 °C room temperature.
- Other input/output connector type combinations are available under different model numbers.
- Eravant reserves the right to change the information presented without notice.

CAUTION:

- Exceeding absolute maximum ratings will damage the device.
- For 1.35 mm, 1.85 mm, 2.4 mm, 2.92 mm, and SMA connectors proper torque should be applied: 8.0 ± 0.15 inch-pounds (0.90 ± 0.02 Nm). Torque wrench model SCH-08008-S1 is highly recommended.

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