

**Broadband Slope Equalizer, DC to 55 GHz**

**SKE-0005530930-2F2M-S1** is a broadband slope equalizer that covers a frequency range from DC to 55 GHz. The equalizer has a positive slope of 5.5 dB typical. The input and output ports are 2.4 mm connectors. Other RF connector types are offered under different model numbers.

**Electrical Specifications:**

Parameter	Minimum	Typical	Maximum
Frequency	DC		55 GHz
Insertion Loss @ DC		11 dB	
Insertion Loss @ 27 GHz		5 dB	
Insertion Loss @ 55 GHz		4.5 dB	
Return Loss		12 dB	
P <sub>in</sub>			+30 dBm
Impedance		50 Ω	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

**Mechanical Specifications:**

Item	Specification
Input Connector	2.4 mm (F)
Output Connector	2.4 mm (M)
Case Material	Aluminum
Finish	Gold Plated Body, Black Anodized Cover
Weight	0.6 Oz
Outline	UH-120-2C

**ECCN**

EAR99

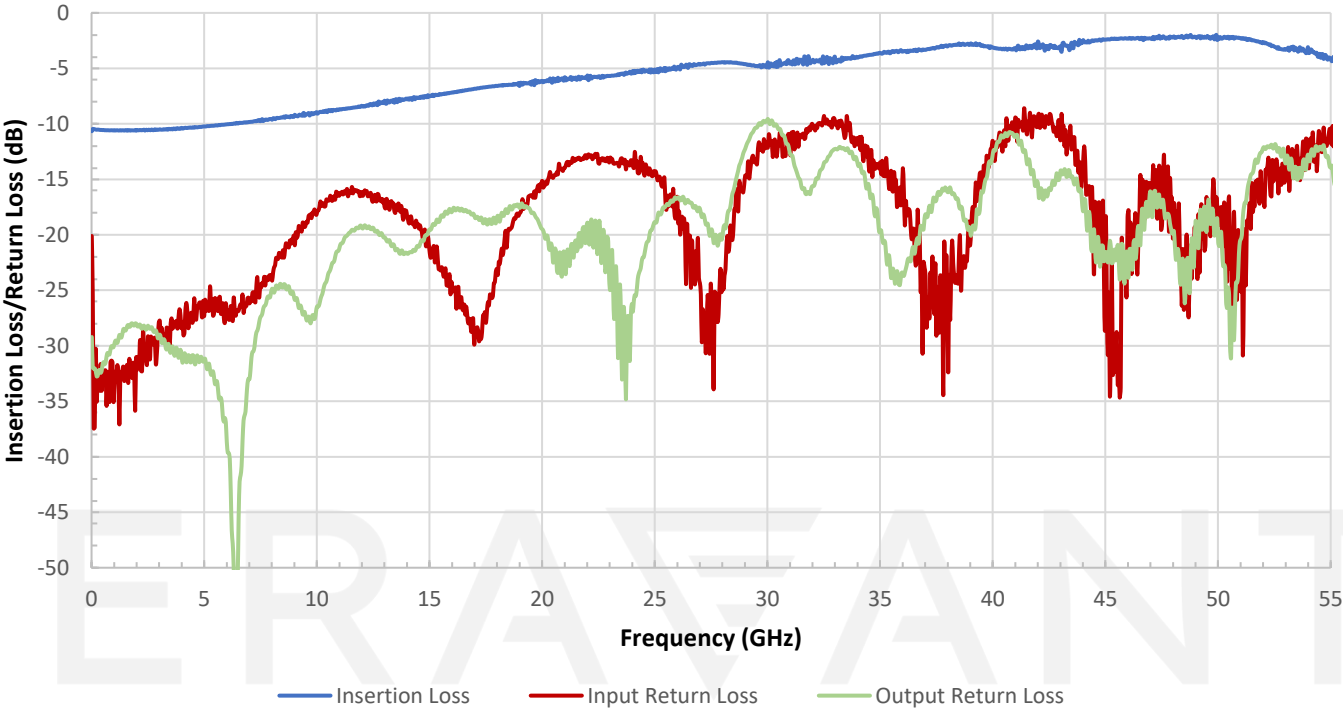
**FEATURES**

- Small Form Factor
- Low Insertion Loss
- Positive Slope

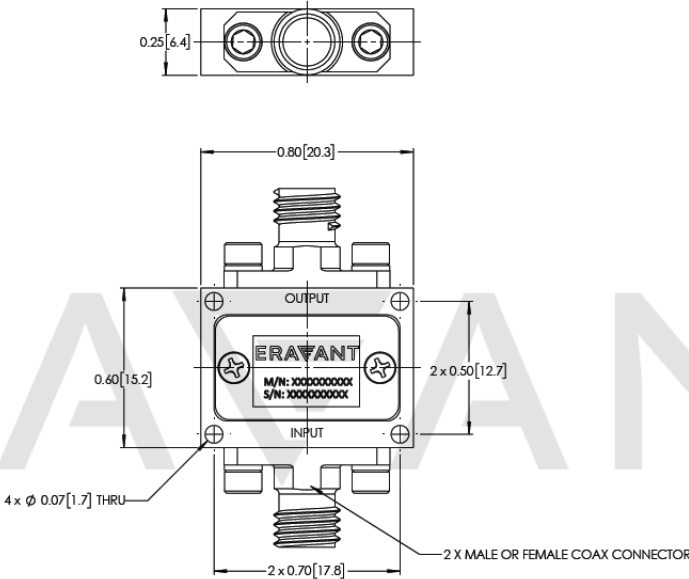
**APPLICATIONS**

- 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:  $8.0 \pm 0.15$  inch-pounds ( $0.90 \pm 0.02$  Nm). Torque wrench model SCH-08008-S1 is highly recommended.

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