SCS-2033231220-KFKF-21-WP

2-Way Coaxial Power Splitter, 20 to 32 GHz

SCS-2033231220-KFKF-21-WP is a coaxial 2-way power splitter with a typical insertion loss of 1.2 dB at each output port and a typical isolation of 20 dB across the frequency range of 20 to 32 GHz. The power splitter has a typical amplitude unbalance of 0.3 dB. The RF connectors of the power splitter are female 2.92 mm (K) connectors.

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency Range	20 GHz		32 GHz
Insertion Loss*		1.2 dB	
Amplitude Unbalance			0.3 dB
Phase Unbalance			± 3°
Port Isolation	20 dB		
Impedance		50 Ohms	
Specification Temperature		+25°C	
Operating Temperature	-55°C		+125°C

*Note: The insertion loss is circuit loss, which does not include the power dividing loss.

Mechanical Specifications:

Item	Specification
RF Connectors	K(F)
Case Material	Aluminum
Finish	Black Paint
Outline	CS-A2-R3



FEATURES

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Low Insertion Loss

High Isolation **Compact Package**

Sub-assemblies **Test Instrumentation**

APPLICATIONS Test Lab

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Typical Performance vs Frequency

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

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NOTE:

- This antenna is a mature product. The reasons for only providing simulated data can be found in the following blog here.
- All testing was performed under +25 °C case temperature.
- Eravant reserves the right to change the information presented without notice.

CAUTION:

• Exceeding absolute maximum ratings of the switch will damage the device.

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