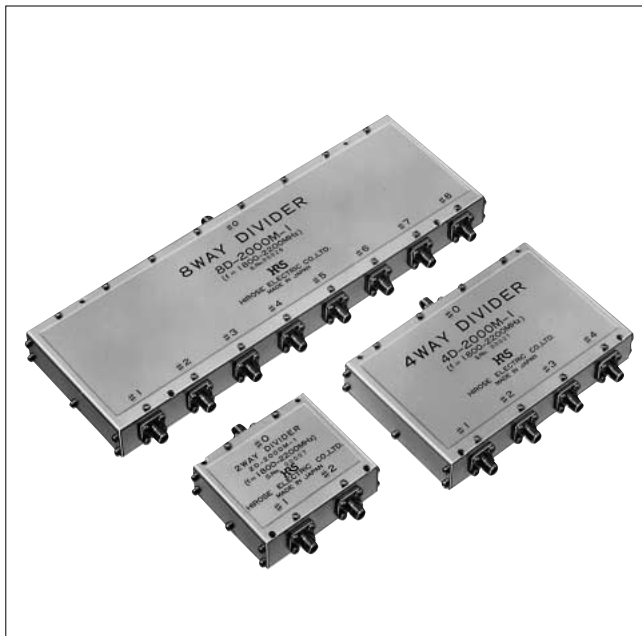


2 GHz Band Power Dividers

C/D Series



■ Features

1. Division System

The micro stripline method, which uses the principle of the $\lambda/4$ impedance converter, provides excellent high frequency performance.

2. High Performance

The low insertion loss and high isolation (of over 20 dB) afforded by the Wilkinson circuit structure make these power dividers ideal for use in portable telephone base stations, measuring instruments, and for measurements.

3. Highly Reliable Design

Connectors are of the SMA type and use stainless steel for extremely high performance.

The case uses corrosion-resistant aluminum and is both miniature and lightweight.

■ Product Specifications

Rating	Frequency range	1.8 to 2.2 GHz	Operating temperature range	-10°C to +65°C
	Characteristic impedance	50 Ω	Operating relative humidity	95% or less
	Maximum usable power	20 W		

● Please see the specification items for details concerning insertion loss, VSWR, and isolation.

Item	Standard	Conditions
1. Vibration resistance	No damage, cracks, or parts looseness	Frequency of 10 to 55 Hz, single amplitude of 0.75 mm, in 3 axial directions, for 10 cycles
2. Shock resistance	No damage, cracks, or parts looseness	294 m/s ² acceleration, half sine wave, in 3 axial directions, 3 times each
3. Temperature cycle	No damage, cracks, or parts looseness	(-40°C: 30 min. → 15 to 35°C: 2 to 3 min. → 85°C: 30 min. → 15 to 35°C: 2 to 3 min.) for 100 cycles

● The test method conforms to MIL-STD-202.

■ Materials

Part	Material	Processing
Connector external cladding	Stainless steel	Passivated
Connector female contacts	Beryllium copper	Gold plating
Connector insulated seat	Teflon	—
Cover	Aluminum	Conductive white alumite
Case	Aluminum	Conductive white alumite
Board	Dielectric	Solder coating

2WAY POWER DIVIDER

■ SPECIFICATION

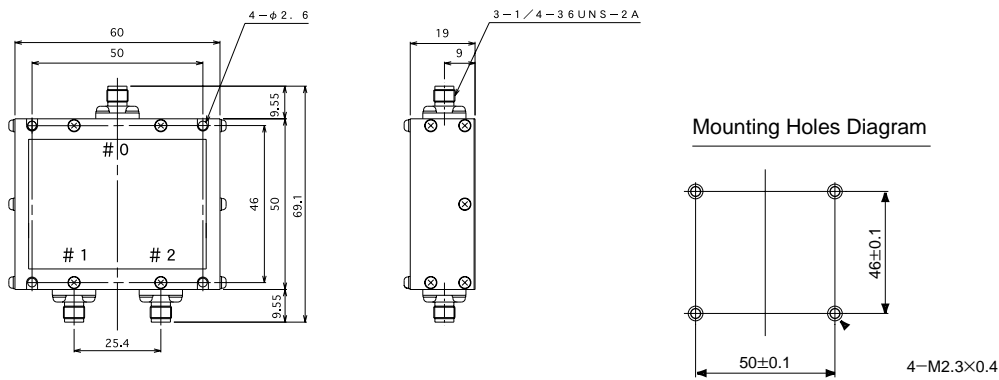
Model No.	(dB Max) Insertion Loss	(Max) V.S.W.R	(dB Min) Isolation	(g) Weight
2D-2000M-1	※(1) 0.4	※(2) 1.3	※(3) 20	110

※(1)The value of the insertion loss is the insertion loss minus the calculation value of 3 dB.

※(2)The VSWR is applicable to port #0, #1, and #2. (See the Dimensions Diagram for the port numbers.)

※(3)Applicable between the divider contacts.

■ DIMENSIONS



4WAY POWER DIVIDER

■ SPECIFICATION

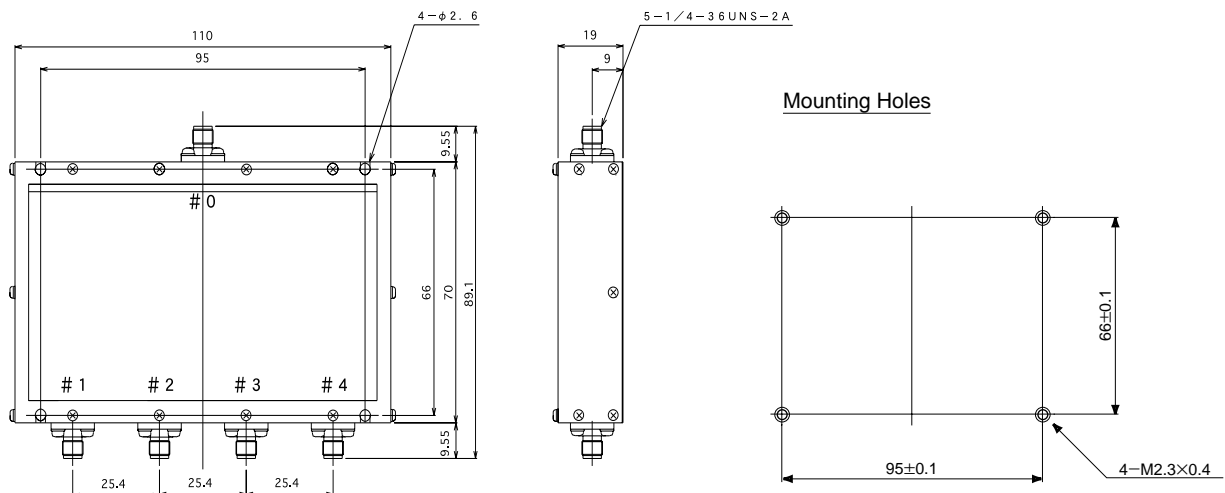
Model No.	(dB Max) Insertion Loss	(Max) V.S.W.R	(dB Min) Isolation	(g) Weight
4D-2000M-1	※(1) 0.6	※(2) 1.3	※(3) 20	260

※(1)The value of the insertion loss is the insertion loss minus the calculation value of 6 dB.

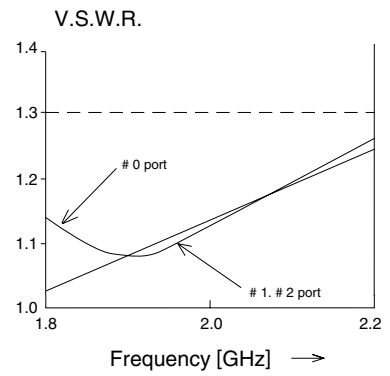
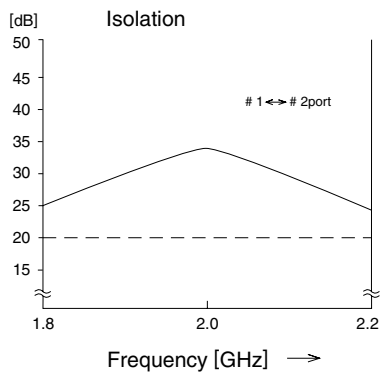
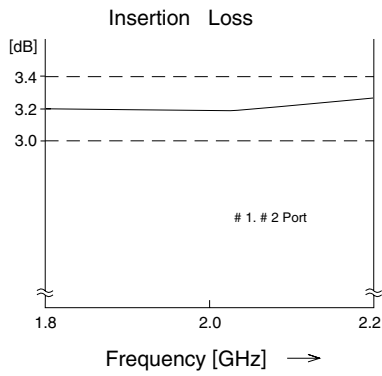
※(2)The VSWR is applicable to port #0, #1, #2, #3, and #4. (See the Dimensions Diagram for the port numbers.)

※(3)Applicable between the divider contacts.

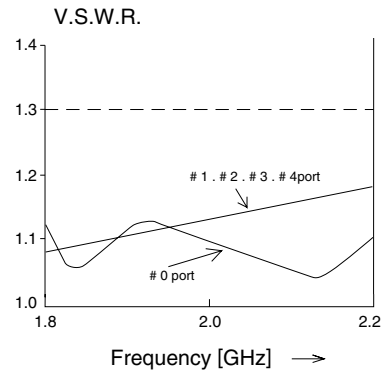
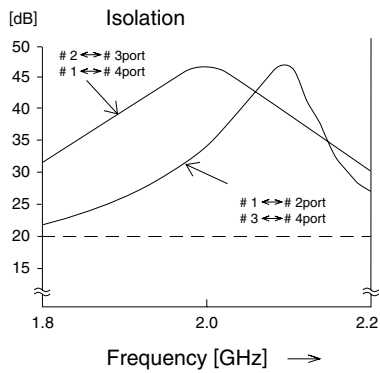
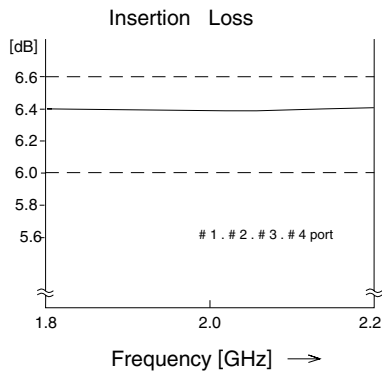
■ DIMENSIONS



2D-2000M-1



4D-2000M-1



8D-2000M-1

