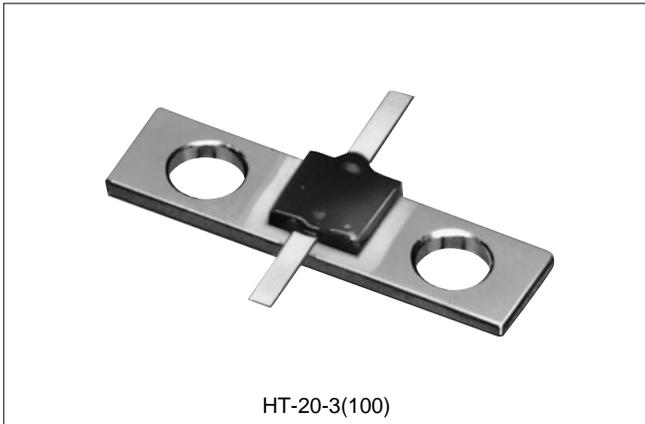


# Terminations for the Division Part of a Wilkinson Divider (100 ohms Type)

## HT Series



HT-20-3(100)

### ■ Features

#### 1. High Performance

These wide bandwidth/ultra high matching non-reflective termination use Hirose Electric original high frequency matching technology.

#### 2. Equipped with Tabs

Termination are equipped with tabs to permit direct mounting to Wilkinson type flat circuits.

#### 3. High Power and Small Size

Beryllia is used for the material of the resistance element to enable the termination to be of small size and used with high power.

### ■ Product Specifications

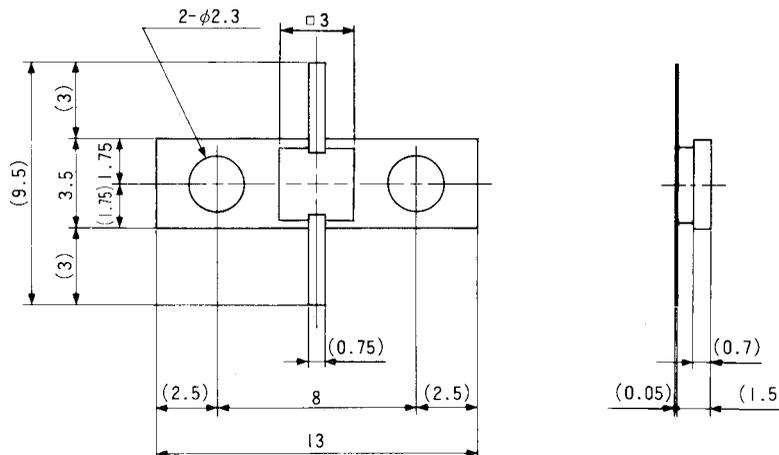
Ratings	Rated frequency range Characteristic impedance Maximum Input Power Resistance value	DC to 8.0 GHz 100 ohms 20W 100±2 ohms	Heat sink temperature at maximum output Operating temperature range Operating relative humidity Weight	+65°C Max. 10°C to +65°C 95% Max. 0.4 g
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Item	Standard	Conditions
1. Vibration	No electrical discontinuity of 1 μs or more No damage, cracks, or parts dislocation	Frequency of 10 to 2000 Hz, overall amplitude of 1.52 mm, acceleration of 98 m/s <sup>2</sup> for 2 hours in each of 3 directions
2. Shock		Acceleration of 490 m/s <sup>2</sup> , sine half-wave waveform, 3 cycles in each of the 3 axis
3. Temperature cycle	No damage, cracks, or parts dislocation	Temperature: -55°C → +5°C to +35°C → +120°C → +5°C to +35°C Time: 30 → 15 max. → 30 → 15 max. (Minutes) 200 cycles

### ■ Material

Part	Material	Finish
Plate	Copper	Nickel plating
Tabs	Copper	Silver plating
Resistor	Metal film	—

### ■ External Dimensions



△ CAUTION: Beryllia is used in this product. Please follow associated laws when disposing.