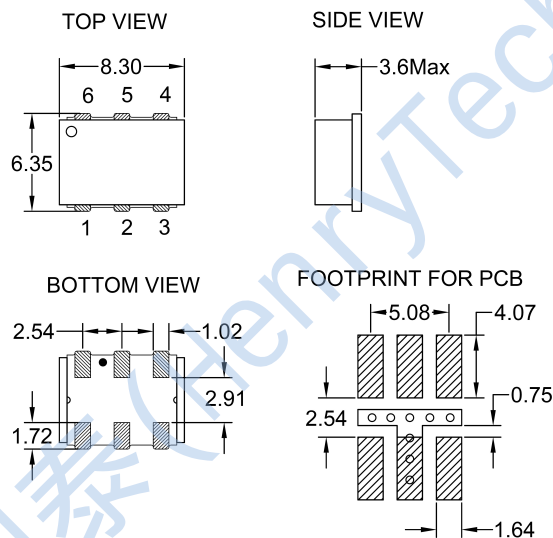




5-1000Mhz 50Ω 10.5dB Coupler

HT-ADC-10-4+

Mechanical Dimensions:



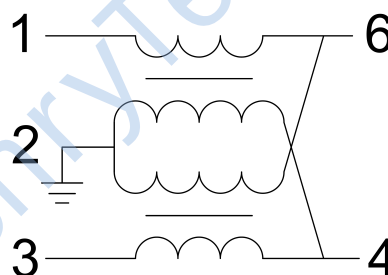
Notes:

- 1: Dimensions in mm.
- 2: Tolerance  $\pm 0.3\text{mm}$  unless otherwise noted.

Ports Configuration:

|           |   |
|-----------|---|
| Input     | 1 |
| Output    | 6 |
| Coupled   | 3 |
| Isolation | 4 |
| Ground    | 2 |
| Not used  | 5 |

Schematic:



Maximum Ratings:

| Parameters                  | Conditions | Unit       | Min | Max |
|-----------------------------|------------|------------|-----|-----|
| RF Power                    |            | Watt       |     | 2   |
| DC Current                  |            | mA         |     | 500 |
| Operating Temperature Range |            | Degree Cel | -40 | 85  |
| Storage Temperature Range   |            | Degree Cel | -55 | 85  |
| Moisture Sensitivity Level  |            |            |     | 1   |

Ordering Information:

| Part Description | Details      |
|------------------|--------------|
| HT-ADC-10-4+     | 800 per reel |



5-1000MHz 50Ω 10.5dB Coupler

HT-ADC-10-4+

Electrical Specifications: Zo=50 Ohm Pin = 0 dBm

| Parameter         | Test Conditions | Unit | Min | Typical | Max  |
|-------------------|-----------------|------|-----|---------|------|
| Frequency Range   | -               | MHz  | 5   | ~       | 1000 |
| Insertion Loss    | 5-1000MHz       | dB   | -   | 0.8     | 1.4  |
| Coupling          | 5-1000MHz       | dB   | 9.8 | 10.5    | 11   |
| Coupling Flatness | 5-1000MHz       | dB   | -   | -       | 1.2  |
| VSWR              | 5-1000MHz       | -    | -   | 1.2     | 1.4  |
| Directivity       | 5-1000MHz       | dB   | 11  | 40      | -    |

Notes:

1: Specifications guaranteed over the operating temperature range.

Typical Performance Curves:

