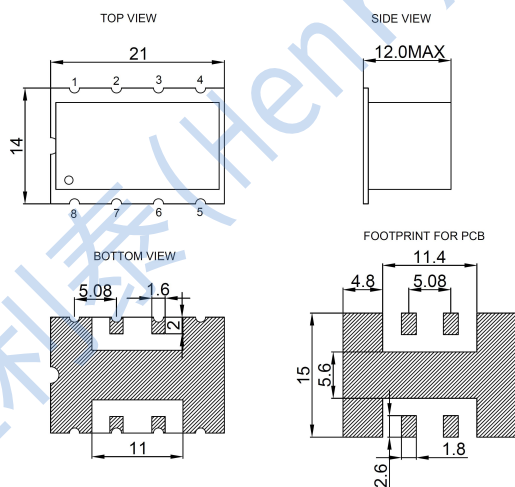


**1-30Mhz 50Ω 28dB Coupler**

**HT-CP28-1-30+**

### Mechanical Dimensions:



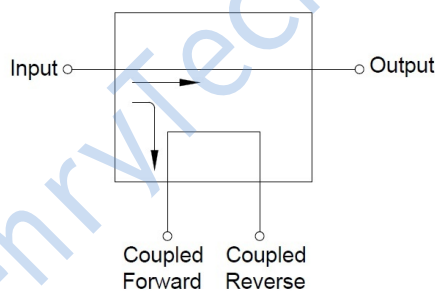
**Notes:**

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

### Ports Configuration:

|                        |              |
|------------------------|--------------|
| <b>Input</b>           | <b>7</b>     |
| <b>Output</b>          | <b>2</b>     |
| <b>Coupled Forward</b> | <b>6</b>     |
| <b>Coupled Reverse</b> | <b>3</b>     |
| <b>Ground</b>          | <b>Other</b> |

### Schematic:



### Maximum Ratings:

| Parameters                  | Conditions | Unit       | Min | Max  |
|-----------------------------|------------|------------|-----|------|
| RF Power                    |            | Watt       |     | 100W |
| DC Current                  |            | mA         |     | 2000 |
| Operating Temperature Range |            | Degree Cel | -40 | 85   |
| Storage Temperature Range   |            | Degree Cel | -55 | 100  |
| Moisture Sensitivity Level  |            |            |     | 1    |

### Ordering Information:

| Part Description | Details      |
|------------------|--------------|
| HT-CP28-1-30+    | 500 per reel |



1-30MHz 50Ω 28dB Coupler

HT-CP28-1-30+

Electrical Specifications: Zo=50 Ohm Pin = 0 dBm

| Parameter       | Test Conditions | Unit | Min  | Typical | Max  |
|-----------------|-----------------|------|------|---------|------|
| Frequency Range | -               | MHz  | 1    | ~       | 30   |
| Insertion Loss  | 1-30MHz         | dB   | -    | -       | 0.25 |
| Coupling        | 1-30MHz         | dB   | 27.5 | 28      | 28.5 |
| Directivity     | 1-30MHz         | dB   | 22   | -       | -    |
| VSWR            | 1-30MHz         | -    | -    | -       | 1.25 |

Typical Performance Curves:

