

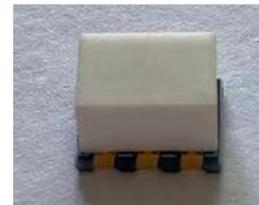
50Ω 0.06 TO 300MHz

Features

- excellent amplitude unbalance, 0.1 dB typ. in 1 dB bandwidth
- excellent return loss.
- aqueous washable

Applications

- impedance matching
- balanced amplifiers

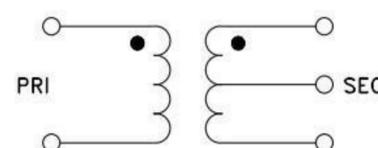


Transformer Electrical Specifications

| Ω RATIO (Secondary /Primary) | FREQUENCY (MHz) | INSERTION* LOSS (dB) | | | PHASE UNBALANCE AT (Deg.) Typ. | | AMPLITUDE UNBALANCE (dB) Typ. | |
|---------------------------------|--------------------|-------------------------|----------|----------|--|-----|--|-----|
| | | 3dB | 2dB | 1dB | 1dB | 2dB | 1dB | 2dB |
| 4 | 0.06-300 | 0.06-300 | 0.08-250 | 0.15-200 | 1 | 2 | 0.1 | 0.2 |

* Insertion Loss is referenced to mid-band loss, 0.3 dB typ.

Config. A



Typical Performance Data

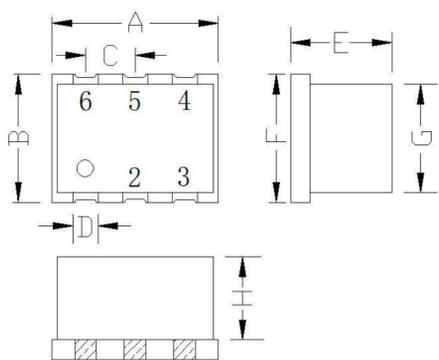
(TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +25°C)

| FREQUENCY (MHz) | INSERTION LOSS (dB) | INPUT R. LOSS (dB) | AMPLITUDE UNBALANCE (dB) | PHASE UNBALANCE (Deg.) |
|--------------------|---------------------------|--------------------------|--------------------------------|------------------------------|
| 0.06 | 0.60 | 13.95 | 0.00 | 0.11 |
| 0.10 | 0.42 | 18.01 | 0.01 | 0.04 |
| 0.15 | 0.39 | 21.16 | 0.01 | 0.01 |
| 1.00 | 0.30 | 31.91 | 0.01 | 0.04 |
| 10.80 | 0.28 | 43.47 | 0.02 | 0.00 |
| 50.00 | 0.34 | 37.69 | 0.04 | 0.01 |
| 100.00 | 0.41 | 30.15 | 0.12 | 0.08 |
| 212.50 | 0.57 | 19.48 | 0.44 | 1.79 |
| 250.00 | 0.68 | 16.85 | 0.56 | 3.11 |
| 300.00 | 0.94 | 13.83 | 0.70 | 6.55 |

Maximum Ratings

| | |
|---|----------------|
| Operating Temperature | -20°C to 85°C |
| Storage Temperature | -55°C to 100°C |
| RF Power Input* | 0.25W |
| DC Current | 30mA |
| Permanent damage may occur if any of these limits are exceeded. | |

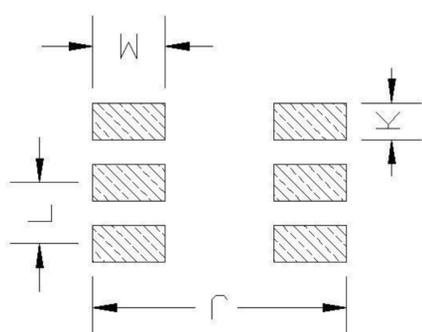
Outline Drawing



Pin Connections

| | |
|---------------|---|
| PRIMARY DOT | 3 |
| PRIMARY | 1 |
| SECONDARY DOT | 4 |
| SECONDARY | 6 |
| SECONDARY CT | 5 |
| NOT USED | 2 |

PCB Land Pattern



Outline Dimensions: Unit (mm)

| | | | |
|----|------|---|------|
| A | 8.70 | J | 8.00 |
| B | 6.50 | K | 1.50 |
| C | 2.54 | G | 5.50 |
| D | 1.30 | H | 4.30 |
| E | 5.40 | L | 2.54 |
| F | 6.50 | M | 2.00 |
| WT | 0.4g | | |

