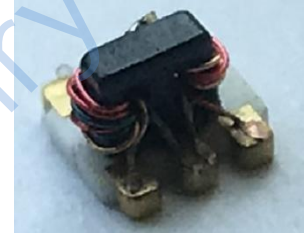


## HT-TCM2-33X+



### Features

- wide bandwidth 30 to 3000 MHz
- balanced transmission line
- excellent return loss
- aqueous washable

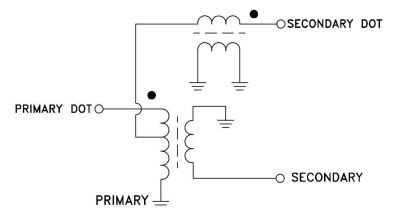
### Applications

- PCS
- wideband push-pull amplifiers
- cellular

### Transformer Electrical Specifications at 25°C

| Impedance Ratio | Frequency Range (MHz) | INSERTION LOSS* (dB)<br>30~3000MHz | PHASE UNBALANCE (Deg.)<br>Typ. | AMPLITUDE UNBALANCE (dB)<br>Typ. |
|-----------------|-----------------------|------------------------------------|--------------------------------|----------------------------------|
| 2               | 30 ~ 3000             | 1.5~3.0                            | 4                              | 0.5                              |

### Config. N



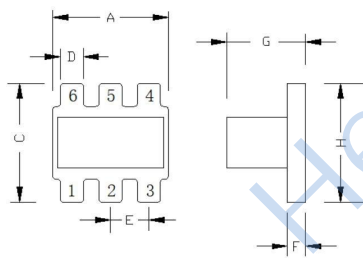
### Typical Performance Data

| FREQUENCY (MHz) | INSERTION LOSS (dB) | INPUT R. LOSS (dB) | AMPLITUDE UNBALANCE (dB) | PHASE UNBALANCE (Deg.) |
|-----------------|---------------------|--------------------|--------------------------|------------------------|
| 30              | 1.27                | 27.4               | 0.04                     | 0.10                   |
| 50              | 1.26                | 27.5               | 0.03                     | 0.16                   |
| 200             | 1.29                | 25.3               | 0.08                     | 0.68                   |
| 500             | 1.29                | 21.6               | 0.21                     | 0.86                   |
| 1000            | 1.35                | 19.4               | 0.71                     | 0.96                   |
| 1400            | 1.45                | 18.8               | 0.25                     | 2.30                   |
| 2000            | 1.67                | 18.5               | 0.68                     | 3.79                   |
| 2400            | 1.86                | 18.1               | 0.91                     | 3.84                   |
| 2800            | 2.02                | 18.6               | 1.07                     | 4.52                   |
| 3000            | 2.10                | 19.4               | 1.10                     | 5.36                   |

### Maximum Ratings

|   |                |
|---|----------------|
| Operating Temperature   | -40°C to 85°C  |
| Storage Temperature   | -55°C to 100°C |
| RF Power  | 0.2W           |
| DC Current  | 30mA           |
| Permanent damage may occur if any of these limits are exceeded. |                |

### Outline Drawing



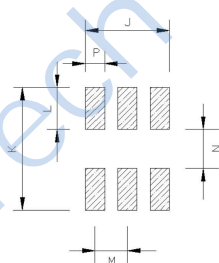
### Outline Dimensions ( mm )

|    |      |   |      |
|----|------|---|------|
| A  | 3.81 | N | 1.53 |
| B  | -    | M | 1.27 |
| C  | 3.81 | P | 0.76 |
| D  | 0.76 |   |      |
| E  | 1.27 |   |      |
| F  | 0.61 |   |      |
| G  | 2.61 |   |      |
| H  | 3.81 |   |      |
| J  | 3.3  |   |      |
| K  | 4.83 |   |      |
| L  | 1.65 |   |      |
| WT | 2g   |   |      |

### Pin Connections

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

### PCB Land Pattern



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Signal Conditioning](#) category:*

*Click to view products by [HenryTech](#) manufacturer:*

Other Similar products are found below :

[PD0409J5050S2HF](#) [HHS-109-PIN](#) [AFS14A35-1591.50-T3](#) [JP510S](#) [LFB322G45SN1A504](#) [SF2159E](#) [FM-104-PIN](#) [CER0813B](#)

[MAPDCC0005](#) [3A325](#) [BD0810N50100AHF](#) [DC0710J5005AHF](#) [DC2327J5005AHF](#) [LFL15869MTC1B787](#) [X3C19F1-20S](#)

[CDBLB455KCAX39-B0](#) [RF1353C](#) [051157-0000](#) [PD0922J5050D2HF](#) [600S150FTRB](#) [1E1305-3](#) [1F1304-3S](#) [TP-103-PIN](#)

[BD1222J50200AHF](#) [BD1722J50100AHF](#) [2450DP39K5400E](#) [BD0810J50150AHF](#) [BD1722J50200AHF](#) [DS-327-PIN](#) [MACP-008125-](#)

[CK07F0](#) [DS-329-PIN](#) [DS-313-PIN](#) [TP-104-PIN](#) [TP-101-PIN](#) [HH-128-PIN](#) [8594810000](#) [T-1000-N](#) [JP506S](#) [XC0900P-10S](#) [XC0900B-30S](#)

[CHE1260-QAG](#) [11305-10](#) [5962-9091202MXA](#) [3A412S](#) [X3C06A4-03S](#) [B39000Z3410A4](#) [DSS-333-PIN](#) [PD2425J5050S2HF](#)

[B39242B4360P810](#) [B39781B8005P810](#)