

Surface Mount RF Transformer

TX1-R5+ TX1-R5

50Ω 0.8 to 500 MHz



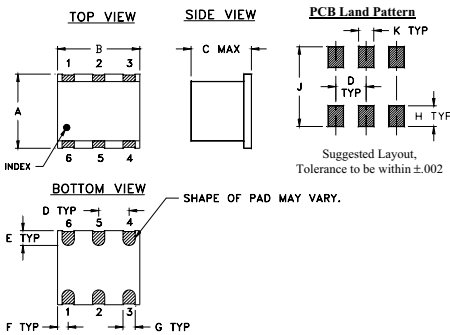
Maximum Ratings

| | |
|-----------------------|----------------|
| Operating Temperature | -20°C to 85°C |
| Storage Temperature | -55°C to 100°C |
| RF Power | 0.25W |
| DC Current | 30mA |

Pin Connections

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

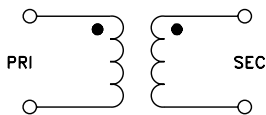
Outline Drawing



Outline Dimensions (inch/mm)

| | | | | | |
|------|------|------|------|-------|------|
| A | B | C | D | E | F |
| .250 | .31 | .20 | .100 | .050 | .055 |
| 6.35 | 7.87 | 5.08 | 2.54 | 1.27 | 1.40 |
| G | H | J | K | wt | |
| .040 | .070 | .270 | .050 | grams | |
| 1.02 | 1.78 | 6.86 | 1.27 | 0.50 | |

Config. C



Features

- wideband, 0.8 to 500 MHz
- excellent return loss

Applications

- VHF/UHF
- receivers/transmitters

CASE STYLE: TT240
PRICE: \$3.75 ea. QTY (1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

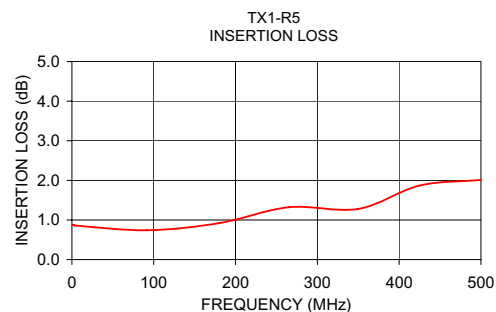
Transformer Electrical Specifications

| Ω RATIO | FREQUENCY (MHz) | INSERTION LOSS* | | |
|---------|-----------------|-----------------|----------|----------|
| | | 3 dB MHz | 2 dB MHz | 1 dB MHz |
| 1 | 0.8-500 | 0.8-500 | 1.2-350 | 3.2-180 |

* Insertion Loss is referenced to mid-band loss, 0.7 dB typ.

Typical Performance Data

| FREQUENCY (MHz) | INSERTION LOSS (dB) | INPUT R. LOSS (dB) |
|-----------------|---------------------|--------------------|
| 0.80 | 0.87 | 11.84 |
| 1.20 | 0.87 | 13.26 |
| 2.20 | 0.87 | 15.37 |
| 3.20 | 0.86 | 16.68 |
| 91.60 | 0.74 | 14.38 |
| 180.00 | 0.92 | 10.21 |
| 265.00 | 1.32 | 7.79 |
| 350.00 | 1.28 | 6.22 |
| 425.00 | 1.87 | 5.32 |
| 500.00 | 2.01 | 4.63 |



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RF/IF MICROWAVE COMPONENTS

REV. A
M98898
TX1-R5
IG/TD/CP
070515