

Wideband RF Impedance Matching Transformers

Designed for use in 50 Ω Impedance RF, and Fast Rise Time, Pulse Applications.

Isolation 1500V_{RMS} minimum Operating Temperature Range: +0 to +70 °C

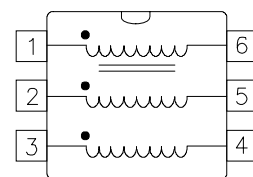
NEW VERSION HIGH ISOLATION 1500V_{RMS} minimum

Electrical Specifications at 25° C

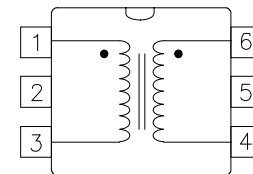
| DIP Part No. | Impedance Ratio (± 5%) | Schem. Style | Pri. Ind. min. (μH) | Rise Time max. (ns) | L _L max. (μH) | Pri./Sec. C _{wv} max. (pF) | Pri. DCR max. (Ω) | Sec. DCR max. (Ω) | -3 dB Loss Low MHz | High MHz |
|--------------|------------------------|--------------|---------------------|---------------------|--------------------------|-------------------------------------|-------------------|-------------------|--------------------|----------|
| T-12201 | 1:1 | B | 80 | 2.2 | 0.15 | 12 | 0.20 | 0.20 | 0.05 | 110 |
| T-12202 | 1CT:1CT | C | 80 | 3.0 | 0.18 | 15 | 0.20 | 0.20 | 0.05 | 90 |
| T-12203 | 1:1CT | D | 80 | 3.0 | 0.18 | 15 | 0.20 | 0.20 | 0.05 | 90 |
| T-12204 | 1:1:1 | A | 40 | 2.0 | 0.10 | 12 | 0.16 | 0.16 | 0.10 | 150 |
| T-12205 | 1:4 | B | 40 | 3.0 | 0.14 | 15 | 0.20 | 0.30 | 0.10 | 110 |
| T-12206 | 1:4CT | D | 40 | 3.0 | 0.14 | 15 | 0.20 | 0.30 | 0.10 | 110 |
| T-12207 | 1:2 | B | 80 | 4.0 | 0.30 | 18 | 0.20 | 0.30 | 0.05 | 50 |
| T-12208 | 1:2CT | D | 80 | 3.0 | 0.20 | 18 | 0.20 | 0.30 | 0.05 | 80 |
| T-12209 | 1:16 | B | 20 | 6.0 | 0.10 | 10 | 0.20 | 0.60 | 0.20 | 60 |
| T-12210 | 1:16CT | D | 20 | 6.0 | 0.10 | 10 | 0.20 | 0.60 | 0.20 | 60 |

| DIP Part Number | Impedance Ratio | Frequency Range (MHz) | | | Schematic Style |
|-----------------|-----------------|-----------------------|---------------------|---------------------|-----------------|
| | | Insertion Loss 3 dB | Insertion Loss 2 dB | Insertion Loss 1 dB | |
| T-12250 | 1:1 | .050-200 | .080-150 | .20-80 | D |
| T-12251 | 1:1 | .003-300 | .010-150 | .02-50 | D |
| T-12252 | 2:1 | .070-200 | .100-100 | .50-50 | D |
| T-12253 | 2.5:1 | .010-100 | .020-50 | .05-20 | D |
| T-12254 | 3:1 | .050-250 | .100-200 | .50-70 | D |
| T-12255 | 4:1 | .200-350 | .350-300 | 2-100 | D |
| T-12256 | 4:1 | .020-250 | .050-150 | .10-100 | D |
| T-12257 | 5:1 | .300-300 | .600-200 | .50-100 | D |
| T-12258 | 8:1 | .030-140 | .100-90 | 1-60 | D |
| T-12259 | 13:1 | .300-120 | .700-80 | 5-20 | D |
| T-12260 | 16:1 | .030-75 | .060-30 | 10-20 | D |
| T-12261 | 1:1 | .150-400 | .350-200 | 2-50 | B |
| T-12262 | 1:1 | .010-150 | .020-100 | .005-50 | B |
| T-12263 | 1.5:1 | .100-300 | .200-150 | .50-80 | B |
| T-12264 | 1.5:1 | .020-100 | .050-50 | .10-25 | B |
| T-12265 | 2.5:1 | .010-100 | .020-50 | .05-20 | B |
| T-12266 | 4:1 | .020-200 | .050-150 | .10-100 | B |
| T-12267 | 9:1 | .150-200 | .300-150 | 2-40 | B |
| T-12268 | 16:1 | .300-120 | .700-80 | .50-20 | B |
| T-12269 | 36:1 | .030-20 | .050-10 | .10-5 | B |
| T-12270 | 1:1 | .004-500 | .020-200 | .10-50 | C |
| T-12271 | 1.5:1 | .075-500 | .200-100 | .10-50 | C |
| T-12272 | 2.5:1 | .010-50 | .025-25 | .05-10 | C |
| T-12273 | 4:1 | .050-200 | .200-50 | 1-30 | C |
| T-12274 | 25:1 | .020-30 | .050-20 | .10-10 | C |

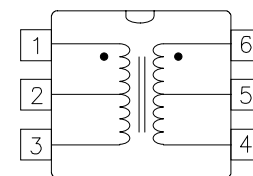
Schematic "A"



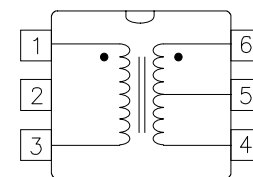
Schematic "B"



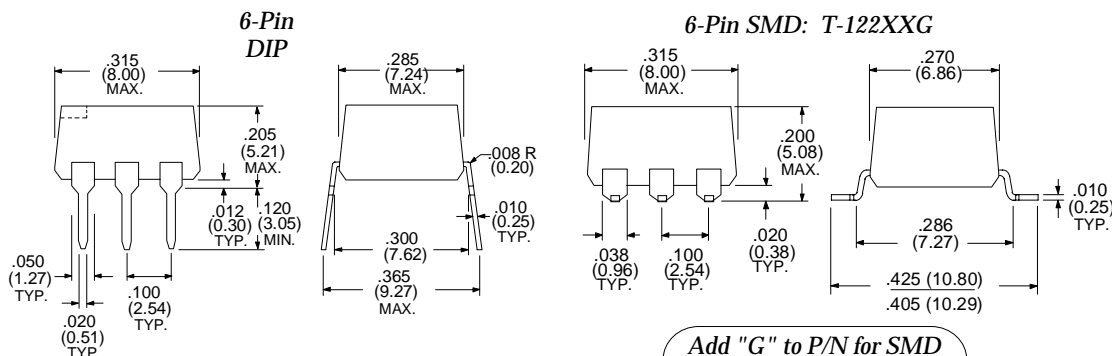
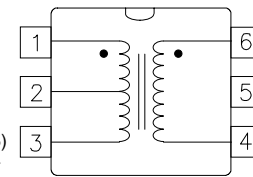
Schematic "C"



Schematic "D"



Schematic "E"



Add "G" to P/N for SMD
Tape & Reel available

Specifications subject to change without notice.

For other values & Custom Designs, contact factory.

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