

Valor Electronics Products Catalog



Products and technology that make a difference.™

Juniper Ex 1023 - 1
Juniper v Chrimar
IPR2016-01399

- Custom designs available for specific applications
- Low cost makes them perfect for signal isolation, impedance matching, signal conditioning, EMI filter and noise suppression in data coupling, in LANs (*Ethernet, 10BASE-T, Token Ring, StarLAN*), and in ISDN/Telecommunications (*T1, S and U interfaces*).

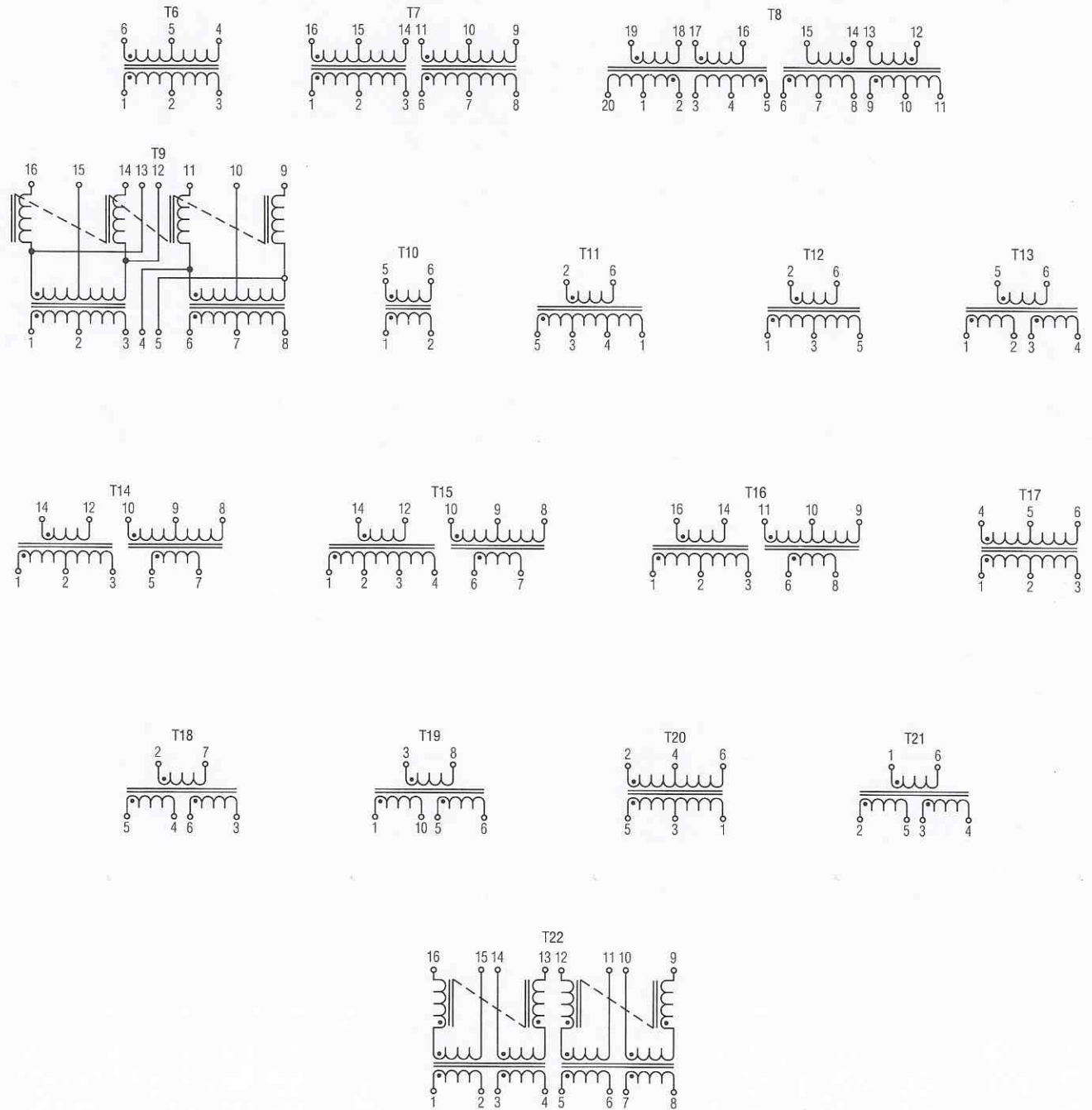
Ethernet LAN Coupling Transformers

| Part Number | OCL min (μH) | Turns Ratio | ET max (V-μs) | t _r max (ns) | DCR max (Ω) | L ₁ max (μH) | C _{w/w} max (pF) | DWV min (V rms) | Schematic ⁽¹⁾ | Packaging | | |
|---------------------|--------------|-------------------|---------------|-------------------------|-------------|-------------------------|---------------------------|-----------------|--------------------------|-----------------|----|---------|
| <i>See Note (3)</i> | | | | | | | | | | | | |
| LT6000 | 35 | 1:1/1:1/1:1 | 2.1 | 3.0 | 0.25 | 0.2 | 8 | 500 | T4 | N2 16-p | | |
| LT6030 | | | | | | | | 2000 | | N1 16-p | | |
| ST6030 | | | | | | | | 2000 | | Q2 16-p | | |
| ST7030 | | | | | | | | 2000 | | S2 16-p | | |
| LT6001 | 50 | 1:1/1:1/1:1 | 2.2 | 3.0 | 0.25 | 0.2 | 9 | 500 | T4 | N2 16-p | | |
| LT6031 | | | | | | | | 2000 | | N1 16-p | | |
| ST6031 | | | | | | | | 2000 | | Q2 16-p | | |
| ST7031 | | | | | | | | 2000 | | S2 16-p | | |
| LT6002 | 75 | 1:1/1:1/1:1 | 2.4 | 3.0 | 0.3 | 0.25 | 10 | 500 | T4 | N2 16-p | | |
| LT6032 | | | | | | | | 2000 | | N1 16-p | | |
| ST6032 | | | | | | | | 2000 | | Q2 16-p | | |
| ST7032 | | | | | | | | 2000 | | S2 16-p | | |
| LT6003 | 100 | 1:1/1:1/1:1 | 2.5 | 3.5 | 0.3 | 0.25 | 10 | 500 | T4 | N2 16-p | | |
| LT6033 | | | | | | | | 2000 | | N1 16-p | | |
| ST6033 | | | | | | | | 2000 | | Q2 16-p | | |
| ST7033 | | | | | | | | 2000 | | S2 16-p | | |
| LT6004 | 150 | 1:1/1:1/1:1 | 3.0 | 3.5 | 0.3 | 0.35 | 12 | 500 | T4 | N2 16-p | | |
| LT6034 | | | | | | | | 2000 | | N1 16-p | | |
| ST6034 | | | | | | | | 2000 | | Q2 16-p | | |
| ST7034 | | | | | | | | 2000 | | S2 16-p | | |
| LT6005 | 250 | 1:1/1:1/1:1 | 3.5 | 3.7 | 0.3 | 0.35 | 16 | 500 | T4 | N2 16-p | | |
| LT6035 | | | | | | | | 2000 | | N1 16-p | | |
| ST6035 | | | | | | | | 2000 | | Q2 16-p | | |
| ST7035 | | | | | | | | 2000 | | S2 16-p | | |
| <i>See Note (4)</i> | | | | | | | | | | | | |
| PT3836 | 200 | 1CT:1CT | 3.5 | 4.2 | 0.9 | 0.17 | 20 | 2000 | T6 | M2 6-p | | |
| PT3785 | | 1CT:1CT/1CT:1CT | | 4.2 | 0.9 | | 20 | | T7 | N1 16-p | | |
| ST7001 | | 1CT:1CT/1CT:1CT | | 3.0 | 0.3 | | 12 | | T7 | S2 16-p | | |
| <i>See Note (5)</i> | | | | | | | | | | | | |
| PT4069 | 200 | 1CT:1CT/1CT:1.4CT | - | - | 0.9 | 0.3 | 20 | 2000 | T7 | N1 16-p | | |
| ST7011 | | | | | | | | | | S2 16-p | | |
| PT4068 | | | | | | | | | | PT4069 with CMC | T9 | N1 16-p |
| ST7010 | | | | | | | | | | ST7011 with CMC | | S2 16-p |

⁽³⁾ Isolation transformers for the cable-AUI interface. LT6000 series is for 10BASE-2 (500V). LT6030/ST6030/ST7030 series are for 10BASE-5 (2000 V).

⁽⁴⁾ Transformers for discrete implementation of 10BASE-T filter modules such as PT3877, FL1012, FL1020, etc.

⁽⁵⁾ Transformers for use with Level One chip part number LXT901.





San Diego-based Valor Electronics, Inc. employs thousands of people worldwide. The company is committed to develop, manufacture and market leading-edge products utilizing its expertise in magnetic components and high-volume manufacturing, while setting a world standard for excellence in the industry.

Valor is the recognized leader in LAN application-specific products and has an expanding product line that features electronic components which satisfy diverse data communications needs.

You can buy with confidence from Valor Electronics, Inc.— products and technology that will make a difference to you.

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