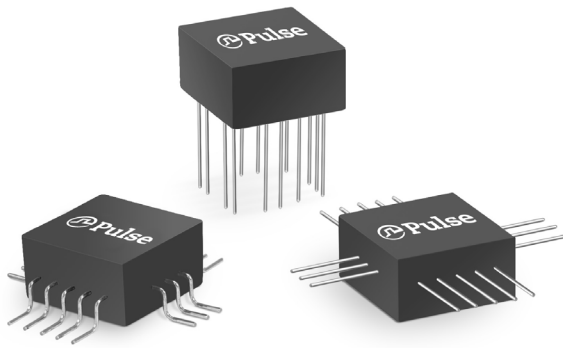
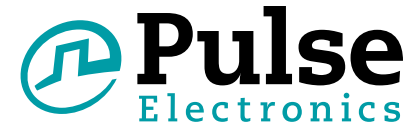


MIL-STD-1553 Interface Transformers

Low Profile / Stacked / Dual Ratio



- Built and tested to MIL-PRF-21038
- Withstands 220°C IR/Reflow temperature
- Operating & storage temperature:
-55°C to +130°C
- Through-hole, Flat-pack and SMT mount configurations
- AS9100 Certified (Based on and including ISO 9001:2000)

Electrical Specifications

| Part Number | Terminal Configuration | Ratio (±3%) | RDC (Ω MAX) | Impedance (Ω MIN) | Drop | Overshoot (MAX) | Common Mode Rejection (CMR) | Frequency Range (no load) | Insulation Resistance (mΩ MIN) | Dielectric Withstanding Voltage |
|---------------------|------------------------|-------------|-----------------|-------------------|------|-----------------|-----------------------------|---------------------------|--------------------------------|---------------------------------|
| THROUGH-HOLE | | | | | | | | | | |
| SLQT1553-1 | 1-3:4-8 (11-13:14-18) | 1CT:1CT | 1-3 (11-13) 3.5 | (1-3 & 11-13) | ≤20% | ±1V | ≥45dB | 75kHz to 1MHz | 10K @ 250Vdc | 100Vrms |
| | 1-3:5-7 (11-13:15-17) | 1.4CT:1CT | 4-8 (14-18) 3.5 | 4,000 | | | | | | |
| SLQT1553-2 | 1-3:4-8 (11-13:14-18) | 1.4CT:1CT | 1-3 (11-13) 3.5 | (1-3 & 11-13) | ≤20% | ±1V | ≥45dB | 75kHz to 1MHz | 10K @ 250Vdc | 100Vrms |
| | 1-3:5-7 (11-13:15-17) | 2CT:1CT | 4-8 (14-18) 3.2 | 7,200 | | | | | | |
| SLQT1553-3 | 1-3:4-8 (11-13:14-18) | 1.25CT:1CT | 1-3 (11-13) 3.2 | (1-3 & 11-13) | ≤20% | ±1V | ≥45dB | 75kHz to 1MHz | 10K @ 250Vdc | 100Vrms |
| | 1-3:5-7 (11-13:15-17) | 1.66CT:1CT | 4-8 (14-18) 3.0 | 4,000 | | | | | | |
| SLQT1553-5 | 1-3:4-8 (11-13:14-18) | 1CT:2.12CT | 1-3 (11-13) 1.0 | (4-8 & 14-18) | ≤20% | ±1V | ≥45dB | 75kHz to 1MHz | 10K @ 250Vdc | 100Vrms |
| | 1-3:5-7 (11-13:15-17) | 1CT:1.5CT | 4-8 (14-18) 3.5 | 4,000 | | | | | | |
| SLQT1553-45 | 1-3:4-8 (11-13:14-18) | 1CT:2.5CT | 1-3 (11-13) 1.0 | (4-8 & 14-18) | ≤20% | ±1V | ≥45dB | 75kHz to 1MHz | 10K @ 250Vdc | 100Vrms |
| | 1-3:5-7 (11-13:15-17) | 1CT:1.79CT | 4-8 (14-18) 3.5 | 4,000 | | | | | | |
| FLAT PACK | | | | | | | | | | |
| SLQF1553-1 | 1-3:4-8 (11-13:14-18) | 1CT:1CT | 1-3 (11-13) 3.5 | (1-3 & 11-13) | ≤20% | ±1V | ≥45dB | 75kHz to 1MHz | 10K @ 250Vdc | 100Vrms |
| | 1-3:5-7 (11-13:15-17) | 1.4CT:1CT | 4-8 (14-18) 3.5 | 4,000 | | | | | | |
| SLQF1553-2 | 1-3:4-8 (11-13:14-18) | 1.4CT:1CT | 1-3 (11-13) 3.5 | (1-3 & 11-13) | ≤20% | ±1V | ≥45dB | 75kHz to 1MHz | 10K @ 250Vdc | 100Vrms |
| | 1-3:5-7 (11-13:15-17) | 2CT:1CT | 4-8 (14-18) 3.2 | 7,200 | | | | | | |
| SLQF1553-3 | 1-3:4-8 (11-13:14-18) | 1.25CT:1CT | 1-3 (11-13) 3.2 | (1-3 & 11-13) | ≤20% | ±1V | ≥45dB | 75kHz to 1MHz | 10K @ 250Vdc | 100Vrms |
| | 1-3:5-7 (11-13:15-17) | 1.66CT:1CT | 4-8 (14-18) 3.0 | 4,000 | | | | | | |
| SLQF1553-5 | 1-3:4-8 (11-13:14-18) | 1CT:2.12CT | 1-3 (11-13) 1.0 | (4-8 & 14-18) | ≤20% | ±1V | ≥45dB | 75kHz to 1MHz | 10K @ 250Vdc | 100Vrms |
| | 1-3:5-7 (11-13:15-17) | 1CT:1.5CT | 4-8 (14-18) 3.5 | 4,000 | | | | | | |
| SLQF1553-45 | 1-3:4-8 (11-13:14-18) | 1CT:2.5CT | 1-3 (11-13) 1.0 | (4-8 & 14-18) | ≤20% | ±1V | ≥45dB | 75kHz to 1MHz | 10K @ 250Vdc | 100Vrms |
| | 1-3:5-7 (11-13:15-17) | 1CT:1.79CT | 4-8 (14-18) 3.5 | 4,000 | | | | | | |
| GULL WING | | | | | | | | | | |
| SLQG1553-1 | 1-3:4-8 (11-13:14-18) | 1CT:1CT | 1-3 (11-13) 3.5 | (1-3 & 11-13) | ≤20% | ±1V | ≥45dB | 75kHz to 1MHz | 10K @ 250Vdc | 100Vrms |
| | 1-3:5-7 (11-13:15-17) | 1.4CT:1CT | 4-8 (14-18) 3.5 | 4,000 | | | | | | |
| SLQG1553-2 | 1-3:4-8 (11-13:14-18) | 1.4CT:1CT | 1-3 (11-13) 3.5 | (1-3 & 11-13) | ≤20% | ±1V | ≥45dB | 75kHz to 1MHz | 10K @ 250Vdc | 100Vrms |
| | 1-3:5-7 (11-13:15-17) | 2CT:1CT | 4-8 (14-18) 3.2 | 7,200 | | | | | | |
| SLQG1553-3 | 1-3:4-8 (11-13:14-18) | 1.25CT:1CT | 1-3 (11-13) 3.2 | (1-3 & 11-13) | ≤20% | ±1V | ≥45dB | 75kHz to 1MHz | 10K @ 250Vdc | 100Vrms |
| | 1-3:5-7 (11-13:15-17) | 1.66CT:1CT | 4-8 (14-18) 3.0 | 4,000 | | | | | | |
| SLQG1553-5 | 1-3:4-8 (11-13:14-18) | 1CT:2.12CT | 1-3 (11-13) 1.0 | (4-8 & 14-18) | ≤20% | ±1V | ≥45dB | 75kHz to 1MHz | 10K @ 250Vdc | 100Vrms |
| | 1-3:5-7 (11-13:15-17) | 1CT:1.5CT | 4-8 (14-18) 3.5 | 4,000 | | | | | | |
| SLQG1553-45 | 1-3:4-8 (11-13:14-18) | 1CT:2.5CT | 1-3 (11-13) 1.0 | (4-8 & 14-18) | ≤20% | ±1V | ≥45dB | 75kHz to 1MHz | 10K @ 250Vdc | 100Vrms |
| | 1-3:5-7 (11-13:15-17) | 1CT:1.79CT | 4-8 (14-18) 3.5 | 4,000 | | | | | | |

NOTE: IPC/JDEC J-STD-020A Moisture Sensitivity _ Through Hole: Level 1 _ Surface Mount: Level 3

MIL-STD-1553 Interface Transformers

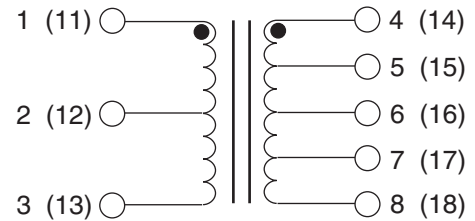
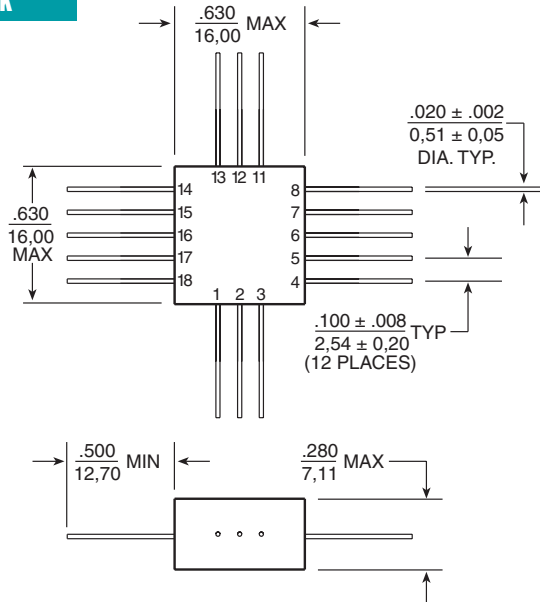
Low Profile / Stacked / Dual Ratio



Mechanical

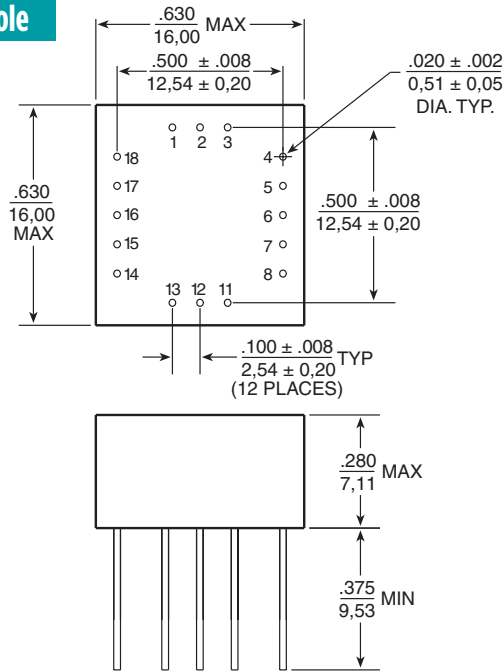
Schematic

Flat Pack

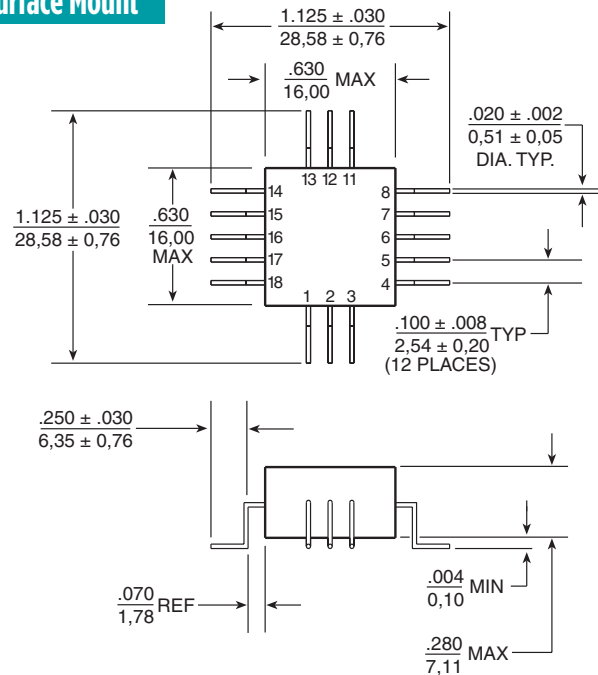


Weight5.0 grams MAX
 Tape and ReelTBD/reel
 Tray TBD/tray
 Dimensions: Inches _____
 mm _____
 Unless otherwise specified, all tolerances
 are ± .010 _____
 0,25 _____

Through-Hole



Surface Mount



For More Information

Pulse North America Headquarters
 Two Pearl Buck Court
 Bristol, PA 19007
 U.S.A.

Pulse Europe
 Zeppelinstrasse 15
 71083 Herrenberg
 Germany

Pulse China Headquarters
 B402, Shenzhen Academy of
 Aerospace Technology Bldg.
 10th Kejinan Road
 High-Tech Zone
 Nanshan District
 Shenzhen, PR China 518057

Pulse North China
 Room 2704/2705
 Super Ocean Finance Ctr.
 2067 Yan An Road West
 Shanghai 200336
 China

Pulse South Asia
 135 Joo Seng Road
 #03-02
 PM Industrial Bldg.
 Singapore 368363

Pulse North Asia
 3F No. 198, Zhongyuan Road
 Zhongli City
 Taoyuan County (32068)
 Taiwan

Tel: 215 781 6400
 Fax: 215 781 6403

Tel: 49 7032 7806 0
 Fax: 49 7032 7806 12

Tel: 86 755 33966678
 Fax: 86 755 33966700

Tel: 86 21 62787060
 Fax: 86 21 62786973

Tel: 65 6287 8998
 Fax: 65 6287 8998

Tel: 886 3 4356768
 Fax: 886 3 4356823

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