

MIL-STD-1553 Transformers

Low profile 3.3V Pulse Transformers.
Ruggedized

PulseR
Ruggedized Solutions



- Ⓡ Dual ratio in a single transformer package (see Schematic)
- Ⓡ Operating and Storage Temperature: -55 °C to +125 °C
- Ⓡ Weight: ≤5.0 grams
- Ⓡ Applicable specifications
 - Ⓜ MIL-STD-1553B
 - Ⓜ MIL-STD-202
 - Ⓜ MIL-PRF-21038
 - Ⓜ ISO 9001

- Ⓡ Maximum Re-flow Temperature for SMT parts: 235°C

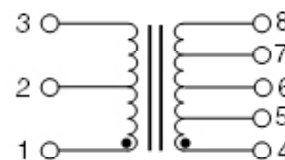
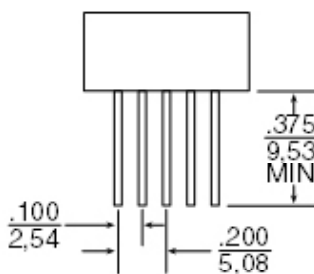
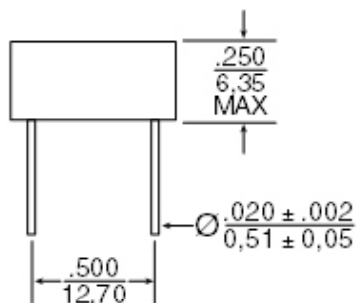
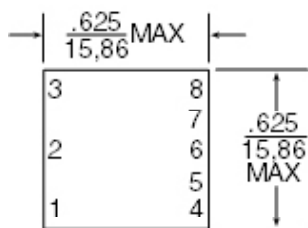
Electrical Specifications @ 25°C

Part Number	Terminals	Ratio (±3%)	DC Resistance (Ω MAX)	Impedance (Ω MIN)	Droop	Overshoot	CMR	Frequency Range (No Load)	IR @ 250Vdc (MIN)	DWV
Q1553-70	1-3:4-8 1-3:5-7	1.0CT:3.0CT 1.0CT:2.15CT	1-3 = 0.35 4-8 = 3.50	4-8 4000	20% MAX	±1V MIN	45db MIN	75kHz to 1MHz	10KMΩ	100 Vrms
SMQ1553-70	1-3:4-8 1-3:5-7	1CT:3CT 1CT:2.15CT	(1-3) .35 (4-8) 3.5	4-8 4000	20% max	±1V MAX	45dB MIN	75kHz to 1MHz	10KMΩ	100 Vrms
GL1553-71	1-3:4-8 1-3:5-7	1CT:3.54CT 1CT:2.50CT	(1-3) 0.35 (4-8) 3.5	4-8 4000	20% max	±1V MAX	45dB MIN	75kHz to 1MHz	10KMΩ	100 Vrms
DGL1553-71	1-3:1613/5-7:12-9 1-3:15-14/5-7:11-10	1CT:3.54CT 1CT:2.5CT	(1-3),(5-7) 0.35 (16-13),(12-9) 3.5	16-13&12-9 4000	20% max	±1V MAX	45dB MIN	75kHz to 1MHz	10KMΩ	100 Vrms
TQ1553-71	1-3:4-8 1-3:5-7	1CT:3.54CT 1CT:2.5CT	(1-3) 0.35 (4-8) 3.5	4-8 4000	20% max	±1V MAX	45dB MIN	75kHz to 1MHz	10KMΩ	100 Vrms

Mechanical

Schematic

Q1553-70



Notes:

1. All dimensions are in inches.
2. Tolerances: .xx = +.008
3. All specifications and dimensions are subject to change without notice.
4. MSL - 1
5. Tube - 20 pieces

MIL-STD-1553 Transformers

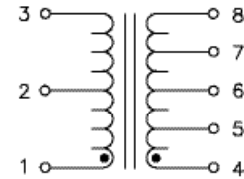
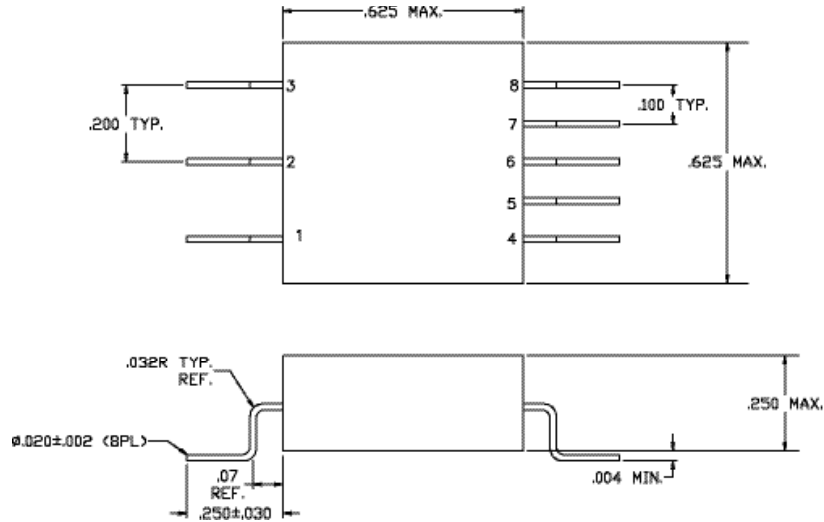
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Mechanical

Schematic

SMQ1553-70



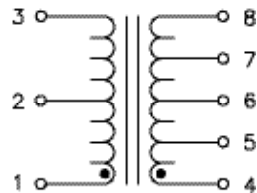
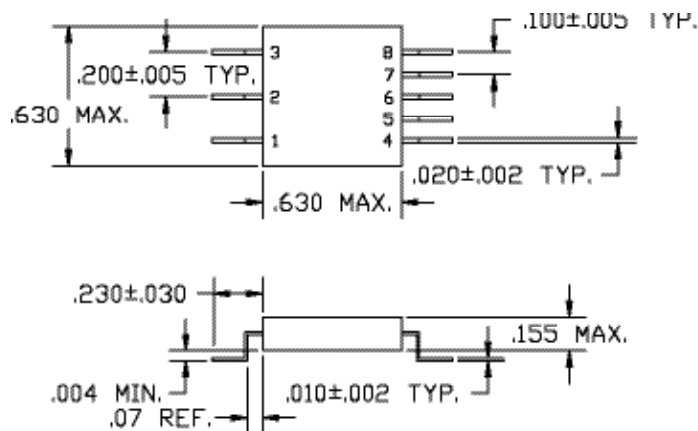
Notes:

1. All dimensions are in inches.
2. Tolerances: .xx = +.008
3. All specifications and dimensions are subject to change without notice.
4. MSL – 3
5. Tape & Reel Size – 300

Mechanical

Schematic

GL1553-71



Notes:

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4. MSL – 3
5. Tape & Reel Size – 350

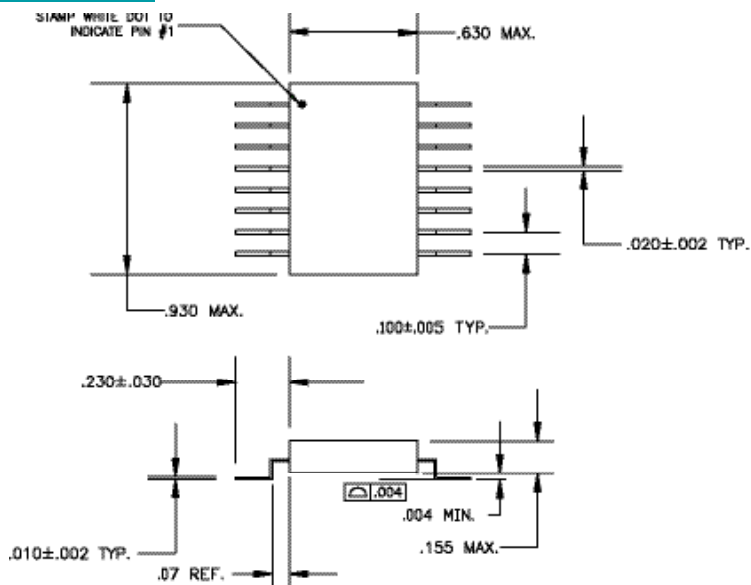
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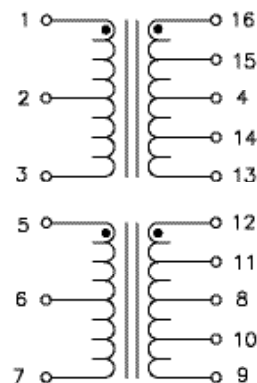
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Mechanical

DGL1553-71



Schematic

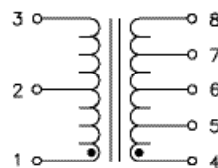
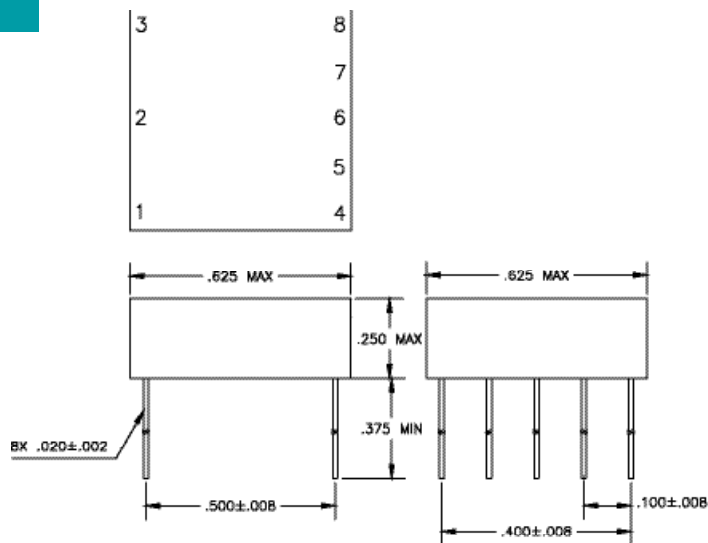


Notes:

1. All dimensions are in inches.
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4. MSL - 3
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Mechanical

TQ1553-71



Notes:

1. All dimensions are in inches.
2. Tolerances: .xx = +.008
3. All specifications and dimensions are subject to change without notice.
4. MSL - 1
5. Tube - 20 pieces

For More Information

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