

DATA BUS INTERFACE PULSE TRANSFORMER



- Meets MIL-STD-1553 applications
- Single ratio (see schematic), thru-hole package
- Level T - for high reliability critical military applications
- Also available in Level C and M (see website)
- Package A is 4-lead; package B is 6-lead (center tap)
- Applicable specifications:

MIL-STD-1553B
MIL-STD-202
ISO 9001:2000

Summary Performance Specifications

| | |
|---------------------------------|-------------------|
| Impedance | (see tabel below) |
| Droop | 20% |
| Overshoot | ±1V Max |
| Common Mode Reject (CME) | 45dB |
| Frequency Range (no load) | 75kHz to 1 MHz |
| Operating Temperature Range | -55°C to 130 °C |
| Weight | 5grams |
| Insulation Resistance | 10K MΩ@250Vdc |
| Dielectirc Withstanding Voltage | 100Vrms |

ELECTRICAL SPECIFICATION @ 25°C

| MPS PART NUMBER | MILITARY DESIGNATION NUMBER | TURNS RATIOS ±3% Pri: Sec | INSERTION LOSS Ω Max | INPEDANCE Ω Min | DIMENSION |
|--------------------|-----------------------------------|---------------------------------|-------------------------|--------------------|-----------|
| GT3005 | M21038/27-05T | 1CT : 1.41CT | 1-2 2.2 4-3 2.7 | 4-3 3K | A |
| GT3006 | M21038/27-06T | 1CT : 1CT | 1-5 2.5 6-2 2.8 | 6-2 3k | B |
| GT3007 | M21038/27-07T | 1CT : 1.41CT | 1-5 2.2 6-2 2.7 | 6-2 3k | B |
| GT3008 | M21038/27-08T | 1CT : 1.661CT | 1-5 1.5 6-2 2.4 | 6-2 3k | B |
| GT3009 | M21038/27-09T | 1CT : 2CT | 1-5 1.3 6-2 2.6 | 6-2 3k | B |
| GT3028 | M21038/27-28T | 1CT : 1.5CT | 1-3 0.9 6-2 2.5 | 6-2 3k | B |
| GT3029 | M21038/27-29T | 1CT : 1.79CT | 1-5 0.9 6-2 2.5 | 6-2 3k | B |
| GT3030 | M21038/27-30T | 1CT : 2.5CT | 1-5 1.0 6-2 2.8 | 6-2 3k | B |

Product performance is limited to specified parameter. Data is subject to change without prior notice.

GT300X
0903AL

13200 Estrella Ave., Bldg. B
Gardena, CA 90248

Tel: (310) 325-1043
Fax: (310) 325-1044

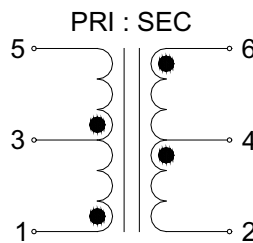
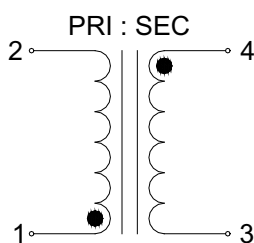
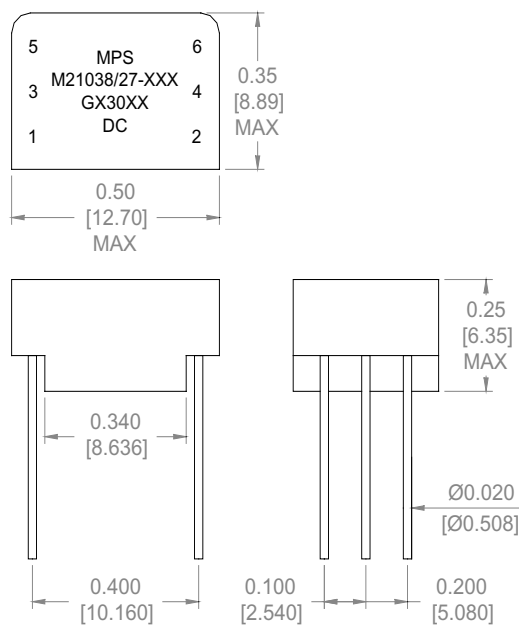
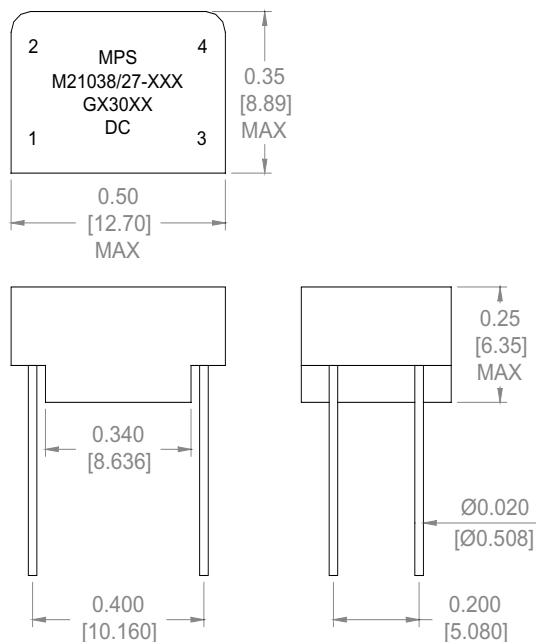
www.mpsind.com
sales@mpsind.com

DATA BUS INTERFACE PULSE TRANSFORMER



DIMENSION A

DIMENSION B



Dimensions
Unless otherwise specified, all tolerances are:
inch: .XX : ± 0.010 .XXX : ±0.003
mm: X,X : ± 0,254 X,XX : ±0,076

Product performance is limited to specified parameter. Data is subject to change without prior notice.

GX300X
0903 AL