

# 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 talbel 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

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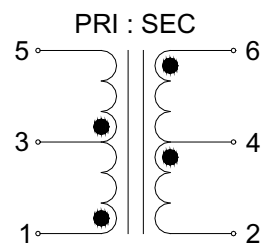
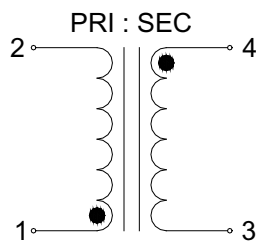
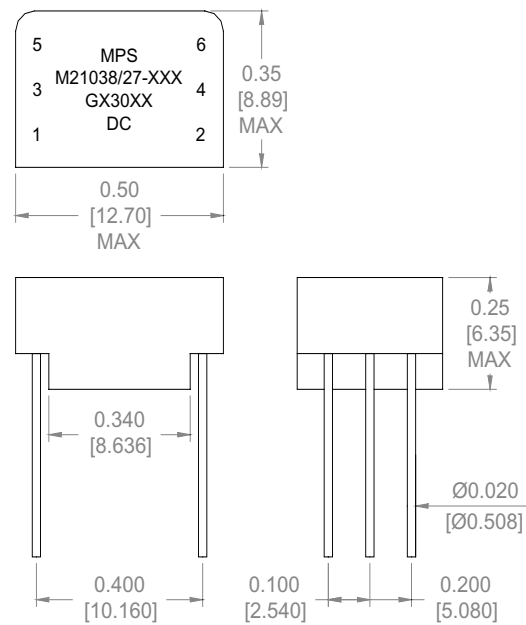
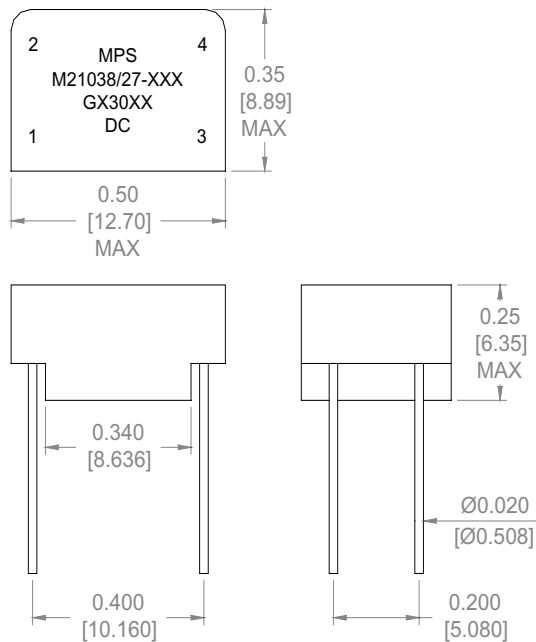
www.mpsind.com  
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# DATA BUS INTERFACE PULSE TRANSFORMER



## 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

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