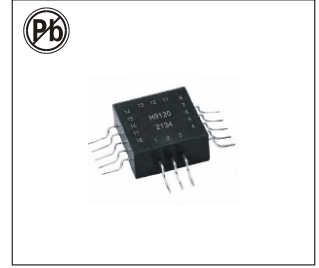


MIL-STD 1553B INTERFACE TRANSFORMERS H91 SERIES



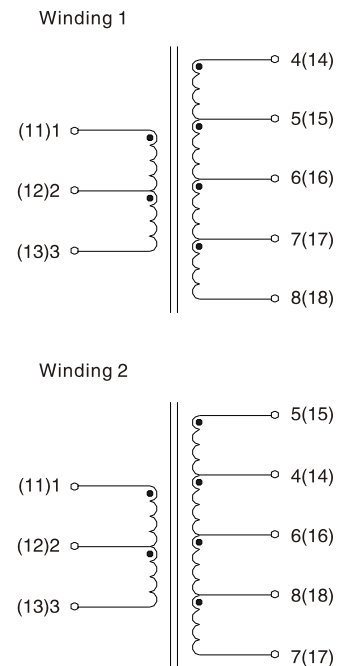
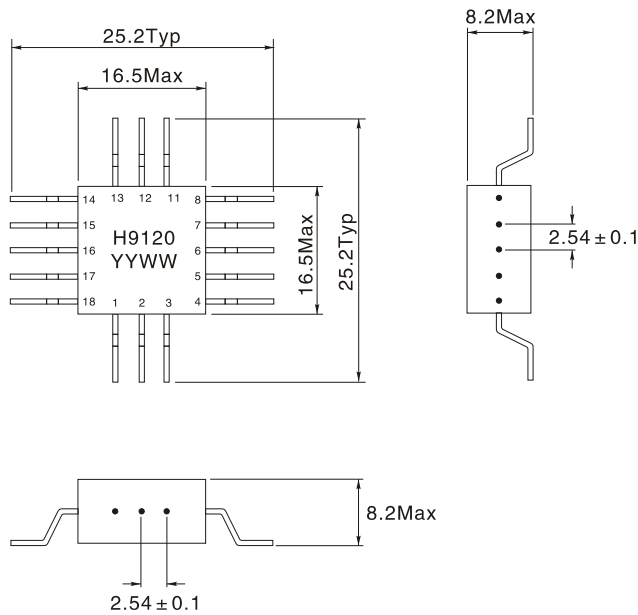
Features

- This transformers fully meet MIL STD 1553B Command/Response Multiplex Data Bus requirements.
- They also meet MIL-T-21038 Pulse Transformer Specs.
- Applied standards: ESCC 3201 generic specification for space products
- Epoxy molding in accordance with outgassing requirements of ECSS-Q-ST-70-02C
- This transformers feature a high efficiency design for minimum losses.
- All windings are centertapped for greater circuit application flexibility.
- The series is packaged in a printed circuit style configuration, with a low profile configuration.

ELECTRICAL CHARACTERISTICS:@25°C

Part No.	Pri Pins	Sec Pins	Turns ratio (±3%)	Impedance (Ω)Min	RDC (Ω)Max	Decay time	Winding
H9120	1-3(11-13)	4-8(14-18)	2:5	(4-8)(14-18)	(1-3)(11-13) 3.5	150ns	1
	1-3(11-13)	5-7(15-17)	4:7	3000	(4-8)(14-18) 3.0		
H9121	1-3(11-13)	4-8(14-18)	1:0.83	(1-3)(11-13)	(1-3)(11-13) 3.0	150ns	1
	1-3(11-13)	5-7(15-17)	1:0.6	3000	(4-8)(14-18) 3.0		
H9122	1-3(11-13)	4-8(14-18)	1.4:1	(1-3)(11-13)	(1-3)(11-13) 3.5	150ns	1
	1-3(11-13)	5-7(15-17)	2:1	7200	(4-8)(14-18) 3.0		
H9123	1-3(11-13)	4-8(14-18)	1:1	(1-3)(11-13)	(1-3)(11-13) 3.0	150ns	1
	1-3(11-13)	5-7(15-17)	1:0.707	4000	(4-8)(14-18) 3.0		
H9124	1-3(11-13)	4-8(14-18)	1.25:1	(1-3)(11-13)	(1-3)(11-13) 3.2	150ns	1
	1-3(11-13)	5-7(15-17)	1.66:1	4000	(4-8)(14-18) 3.0		
H9125	4-8(14-18)	1-3(11-13)	2.3:1	(5-7)(15-17)	(1-3)(11-13) 1.2	150ns	2
	5-7(15-17)	1-3(11-13)	3.2:1	3000	(4-8)(14-18) 3.0		
H9126	4-8(14-18)	1-3(11-13)	2.12:1	(4-8)(14-18)	(1-3)(11-13) 1.1	200ns	1
	5-7(15-17)	1-3(11-13)	1.5:1	4000	(4-8)(14-18) 3.0		
H9127	1-3(11-13)	4-8(14-18)	1:2.5	(4-8)(14-18)	(1-3)(11-13) 1.0	250ns	1
	1-3(11-13)	5-7(15-17)	1:1.79	4000	(4-8)(14-18) 3.0		

PHYSICAL CHARACTERISTICS:(mm) WINDING:



NOTES:

- Common mode rejection ratio is greater than 45 db and 1 MHz.
- Input impedance is greater than 3000 ohms over the band from 75 KHz to 1 MHz at 1V rms.
- Operating temperature range: -55°C to +125°C
- Interwinding insulation: 500Vrms, 500Hz