

MIL-STD 1553B INTERFACE TRANSFORMERS H22 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.

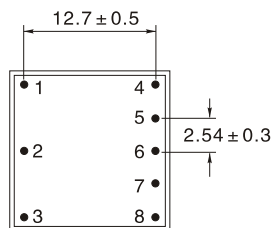
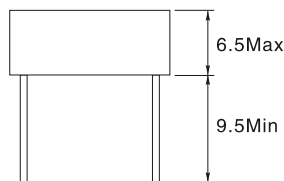
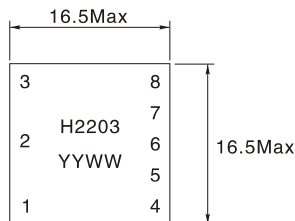


ELECTRICAL CHARACTERISTICS:@25°C

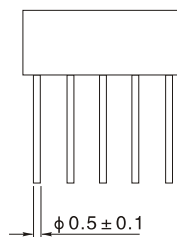
Part No.	Pri Pins	Sec Pins	Turns ratio ($\pm 3\%$)	Impedance (Ω)Min	RDC (Ω)Max	Decay time	Winding
H2202	1-3	4-8	1:1	(1-3)	(1-3) 3.0	150ns	1
	1-3	5-7	1:0.707	4000	(4-8) 3.0		
H2203	1-3	4-8	1.4:1	(1-3)	(1-3) 3.5	150ns	1
	1-3	5-7	2:1	7200	(4-8) 3.0		
H2204	1-3	4-8	1.25:1	(1-3)	(1-3) 3.2	150ns	1
	1-3	5-7	1.66:1	4000	(4-8) 3.0		
H2205	1-3	4-8	2.3:1	(5-7)	(1-3) 1.2	150ns	2
	1-3	5-7	3.2:1	3000	(4-8) 3.0		
H2385	1-3	4-8	1:2.12	(4-8)	(1-3) 1.0	200ns	1
	1-3	5-7	1:1.15	4000	(4-8) 3.0		
H3226	1-3	4-8	1:2.5	(4-8)	(1-3) 1.0	200ns	1
	1-3	5-7	1:1.79	4000	(4-8) 3.5		

PHYSICAL CHARACTERISTICS:(mm)

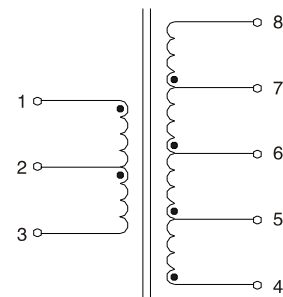
WINDING:



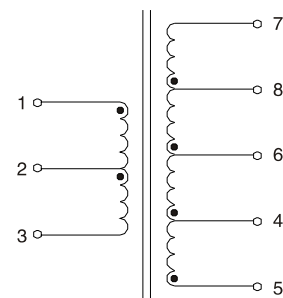
Bottom view



Winding 1



Winding 2



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