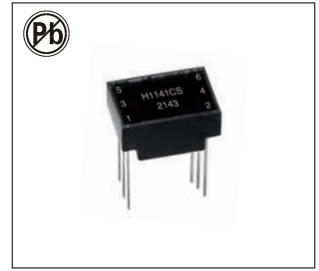


MIL-STD 1553B INTERFACE TRANSFORMERS H11 SERIES

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.	Turns ratio		Impedance (Ω)Min	RDC(Ω)Max		Fig.
	Pins	$\pm 3\%$		Pins(Ω)	Pins(Ω)	
H1100CS	1-5:6-2	1:1	4000	1-5(2.5)	6-2(2.8)	1
H1141CS	1-5:6-2	1:1.41	4000	1-5(2.5)	6-2(2.7)	1
H1166CS	1-5:6-2	1:1.66	4000	1-5(1.5)	6-2(2.4)	1
H1200CS	1-5:6-2	1:2	4000	1-5(1.3)	6-2(2.6)	1
H1150CS	1-5:6-2	1:1.5	4000	1-5(0.9)	6-2(2.5)	1
H1179CS	1-5:6-2	1:1.79	4000	1-5(0.9)	6-2(2.5)	1
H1250CS	1-5:6-2	1:2.5	4000	1-5(1.0)	6-2(2.8)	1
H1100DS	1-5:6-2	1:1	4000	1-5(2.5)	6-2(2.8)	1
H1141DS	1-5:6-2	1:1.41	4000	1-5(2.2)	6-2(2.7)	1
H1166DS	1-5:6-2	1:1.66	4000	1-5(1.5)	6-2(2.4)	1
H1200DS	1-5:6-2	1:2	4000	1-5(1.3)	6-2(2.6)	1
H1150DS	1-5:6-2	1:1.5	4000	1-5(0.9)	6-2(2.5)	1
H1179DS	1-5:6-2	1:1.79	4000	1-5(0.9)	6-2(2.5)	1
H1250DS	1-5:6-2	1:2.5	4000	1-5(1.0)	6-2(2.8)	1
H1141AS	1-2:4-3	1:1.41	4000	1-2(2.2)	3-4(2.7)	2
H1141BS	1-2:3-4	1:1.41	4000	1-2(2.2)	3-4(2.7)	3

PHYSICAL CHARACTERISTICS:(mm)

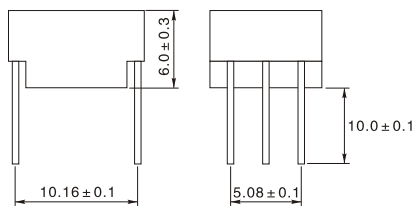
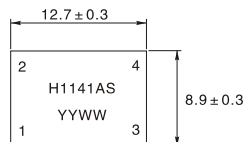


Fig. 1

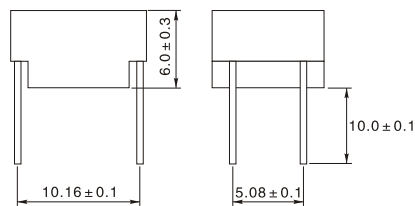


Fig. 2

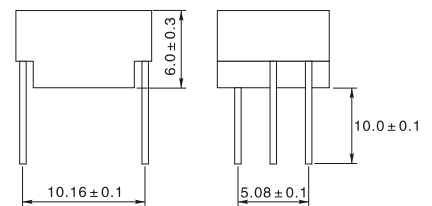
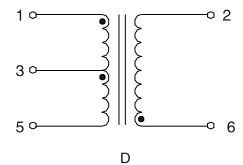
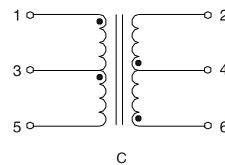
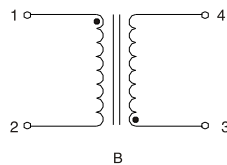
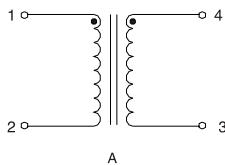


Fig. 3



- 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 +150°C
- Interwinding insulation: 500Vrms, 500Hz