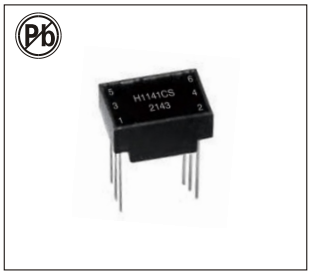
MIL-STD 1553B INTERFACE TRANSFORMERS
H11 SERIES



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℃

Part No.	Turns ratio		Impedance (Ω)Min	RDC(Ω)Max		Fig.
	Pins	±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)

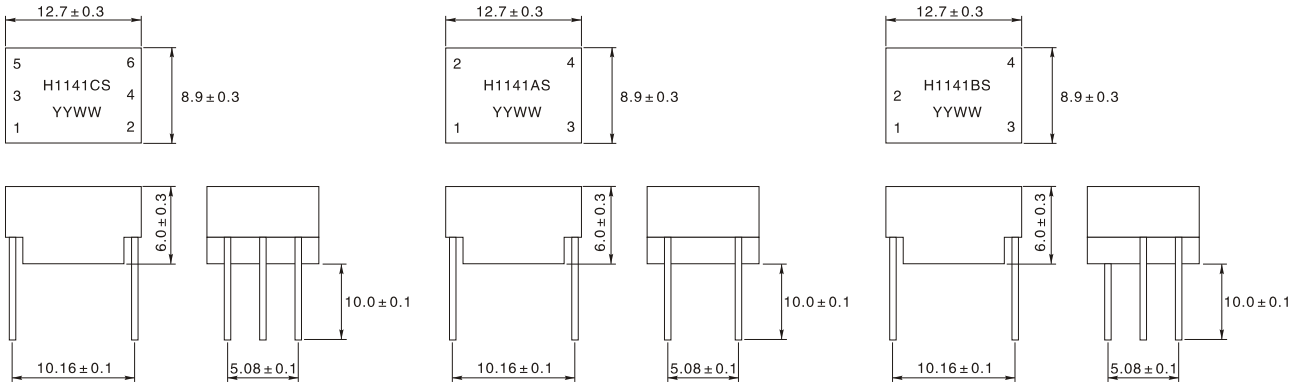


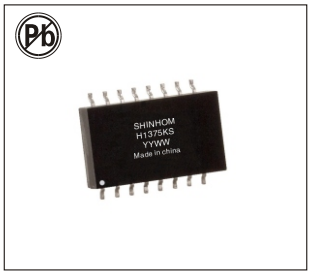
Fig. 1

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℃ to+150℃
- Interwinding insulation: 500Vrms,500Hz

MIL-STD 1553B INTERFACE TRANSFORMERS



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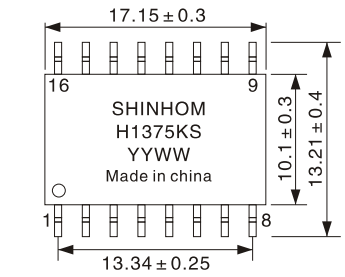
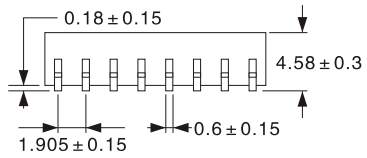
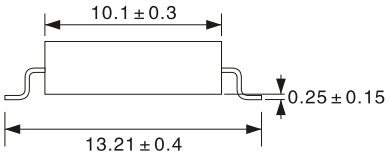
ELECTRICAL CHARACTERISTICS:@25℃

Part No.	Turns ratio (±3%)		Turns ratio (±3%)		RDC (Ω)Max	Impedance (Ω)Min
H1375KS	1-3:16-13	1:3.75	1-3:15-14	1:2.70	1-3(0.5)16-13(3.0)	4000
	6-8:12-9	1:3.75	6-8:11-10	1:2.70	6-8(0.5)12-9(3.0)	4000
H1250KS	1-3:16-13	1:2.50	1-3:15-14	1:1.79	1-3(1.0)16-13(3.5)	4000
	6-8:12-9	1:2.50	6-8:11-10	1:1.79	6-8(1.0)12-9(3.5)	4000
H1251KS	1-3:16-13	1.25:1	1-3:15-14	1.66:1	1-3(3.2)16-13(3.0)	4000
	6-8:12-9	1.25:1	6-8:11-10	1.66:1	6-8(3.2)12-9(3.0)	4000
H1411KS	1-3:16-13	1.41:1	1-3:15-14	2.0:1	1-3(3.5)16-13(3.0)	7200
	6-8:12-9	1.41:1	6-8:11-10	2.0:1	6-8(3.5)12-9(3.0)	7200
H1265KS	1-3:16-13	1:2.65	1-3:15-14	1:2.07	1-3(0.9)16-13(3.0)	4000
	6-8:12-9	1:2.65	6-8:11-10	1:2.07	6-8(0.9)12-9(3.0)	4000

PHYSICAL CHARACTERISTICS:(mm)







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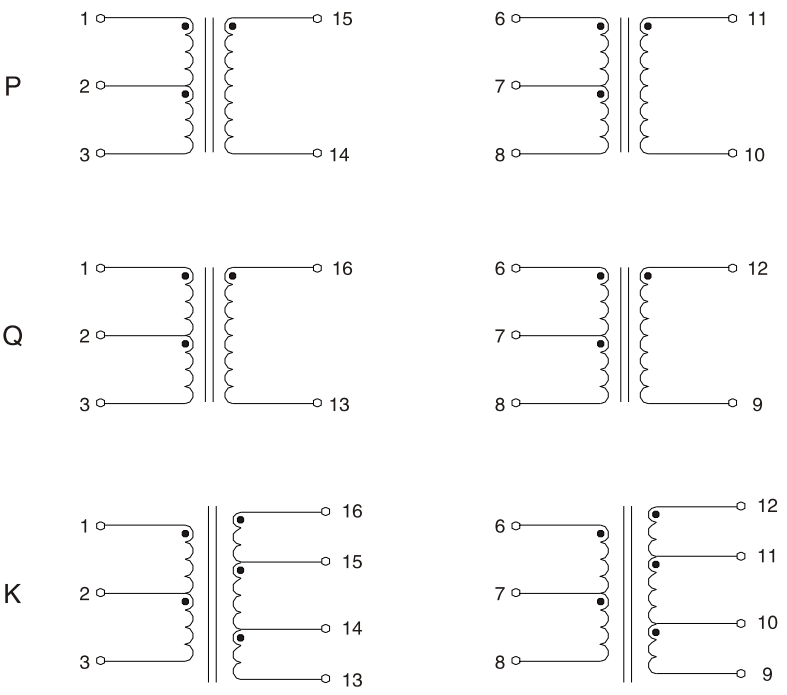
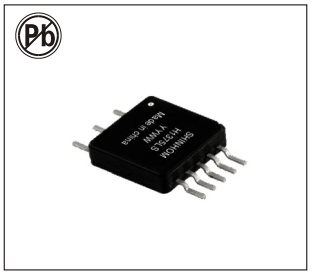


MIL-STD 1553B INTERFACE TRANSFORMERS



Features

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- Applied standards: ESCC 3201 generic specification for space products
- Epoxy molding in accordance with outgassing requirements of ECSS-Q-ST-70-02C
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- All windings are centertapped for greater circuit application flexibility.
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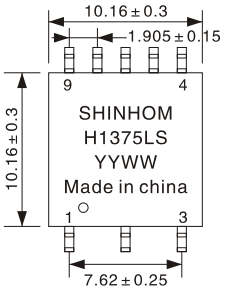
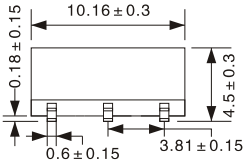
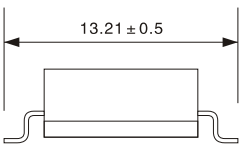
ELECTRICAL CHARACTERISTICS:@25℃

Part No.	Turns ratio (±3%)		Turns ratio (±3%)		RDC (Ω)Max	Impedance (Ω)Min
H1375LS	1-3:4-8	1:3.75			1-3(0.3)4-8(3.0)	4000
H1250LS	1-3:4-8	1:2.50			1-3(1.0)4-8(3.0)	4000
H1270MS	1-3:5-7	1:2.70			1-3(0.3)5-7(2.0)	3000
H1250MS	1-3:5-7	1:2.50			1-3(0.3)5-7(1.1)	4000
H1265MS	1-3:5-7	1:2.65			1-3(0.35)5-7(2.5)	4000
H1179MS	1-3:5-7	1:1.79			1-3(1.5)5-7(2.5)	4000
H1250NS	1-3:4-8	1:2.50	1-3:5-7	1:1.79	1-3(2.0)5-7(3.5)	4000
H1265NS	1-3:4-8	1:2.65	1-3:5-7	1:2.07	1-3(2.0)5-7(3.5)	4000
H1212NS	1-3:4-8	1:2.12	1-3:5-7	1:1.50	1-3(2.0)5-7(3.5)	4000

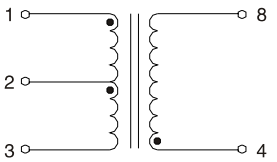
PHYSICAL CHARACTERISTICS:(mm)







WINDING:



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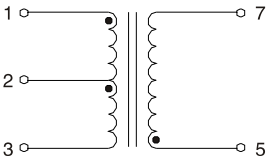

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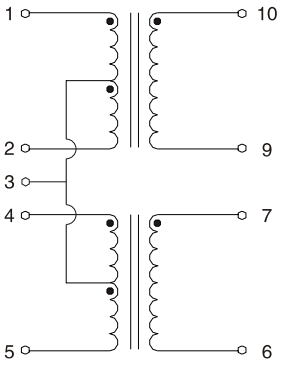

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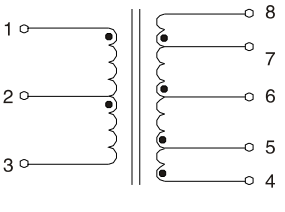

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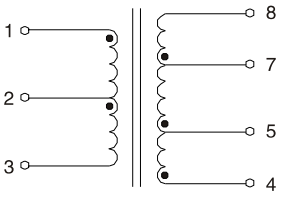
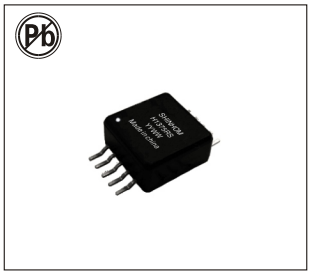


N

MIL-STD 1553B INTERFACE TRANSFORMERS



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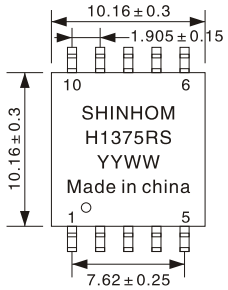
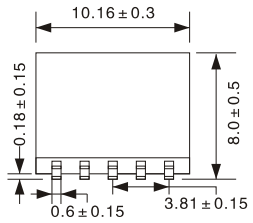
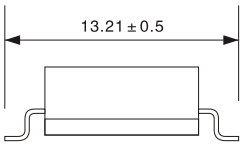
ELECTRICAL CHARACTERISTICS:@25℃

Part No.	Turns ratio (±3%)		RDC (Ω)Max	Impedance (Ω)Min
H1375RS	1-2:10-9	1:3.75	1-2(0.5)10-9(3.0)	4000
	4-5:7-6	1:3.75	4-5(0.5)7-6(3.0)	4000
H1250RS	1-2:10-9	1:2.50	1-2(1.0)10-9(3.5)	4000
	4-5:7-6	1:2.50	4-5(1.0)7-6(3.5)	4000
H1251RS	1-2:10-9	1.25:1	1-2(2.4)10-9(1.5)	4000
	4-5:7-6	1.25:1	4-5(2.4)7-6(1.5)	4000
H1411RS	1-2:10-9	1.41:1	1-2(2.7)10-9(2.2)	7200
	4-5:7-6	1.41:1	4-5(2.7)7-6(2.2)	7200
H1270RS	1-2:10-9	1:2.70	1-2(0.9)10-9(3.5)	4000
	4-5:7-6	1:2.70	4-5(0.9)7-6(3.5)	4000
H1179RS	1-2:10-9	1:1.79	1-2(0.9)10-9(3.5)	4000
	4-5:7-6	1:1.79	4-5(0.9)7-6(3.5)	4000
H1661RS	1-2:10-9	1.66:1	1-2(2.4)10-9(1.5)	4000
	4-5:7-6	1.66:1	4-5(2.4)7-6(1.5)	4000
H2001RS	1-2:10-9	2.0:1	1-2(2.6)10-9(1.3)	4000
	4-5:7-6	2.0:1	4-5(2.6)7-6(1.3)	4000
H1204RS	1-2:10-9	1:2.04	1-2(0.9)10-9(2.2)	4000
	4-5:7-6	1:2.04	4-5(0.9)7-6(2.2)	4000
H1265RS	1-2:10-9	1:2.65	1-2(1.0)10-9(3.0)	4000
	4-5:7-6	1:2.65	4-5(1.0)7-6(3.0)	4000
H1207RS	1-2:10-9	1:2.07	1-2(1.0)10-9(3.0)	4000
	4-5:7-6	1:2.07	4-5(1.0)7-6(3.0)	4000

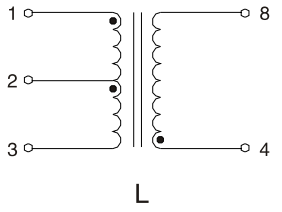
PHYSICAL CHARACTERISTICS:(mm)







WINDING:



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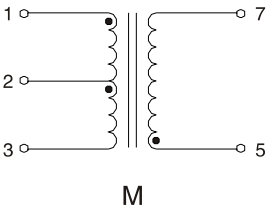

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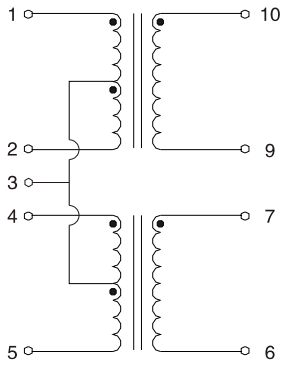

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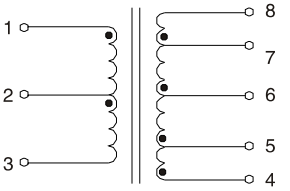

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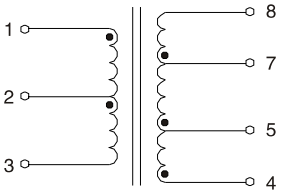

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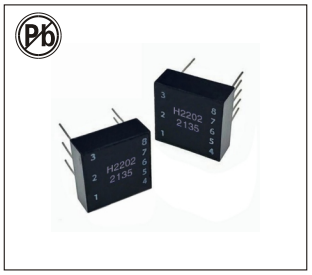
MIL-STD 1553B INTERFACE TRANSFORMERS
H22 SERIES



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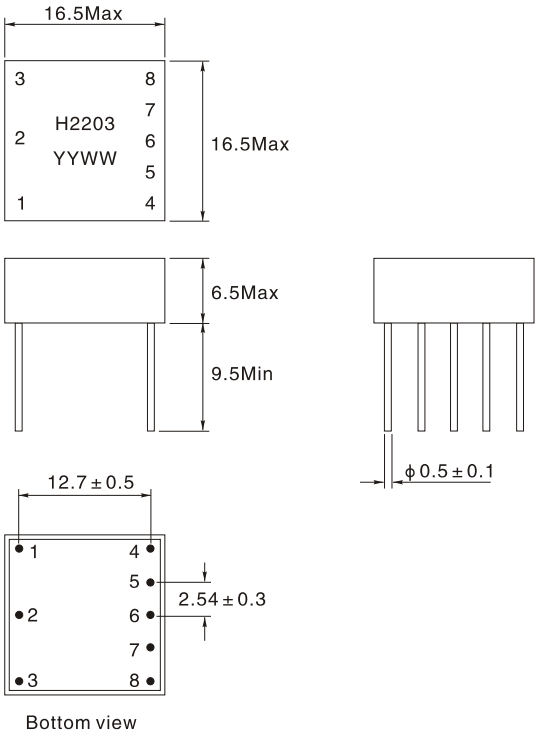
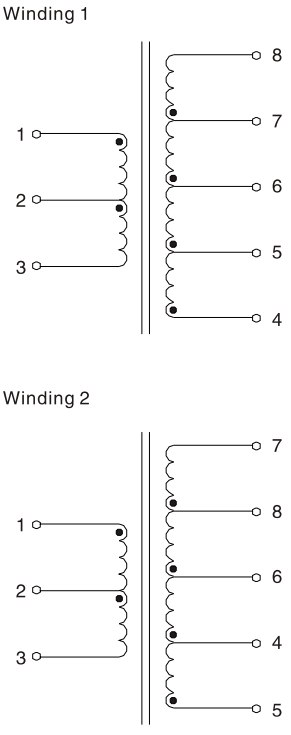
Part No.	Pri Pins	Sec Pins	Turns ratio (±3%)	Impedance (Ω)Min	RDC (Ω)Max	Decay time	Winding
H2202	1-3	4-8	1:1	(1-3)	(1-3) 3.0	150ns	1
	1-3	5-7	1:0.707	4000	(4-8) 3.0		
H2203	1-3	4-8	1.4:1	(1-3)	(1-3) 3.5	150ns	1
	1-3	5-7	2:1	7200	(4-8) 3.0		
H2204	1-3	4-8	1.25:1	(1-3)	(1-3) 3.2	150ns	1
	1-3	5-7	1.66:1	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:

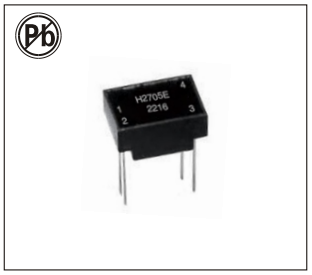


NOTES:

- 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℃ to+125℃
- Interwinding insulation: 500Vrms,500Hz

MIL-STD 1553B INTERFACE TRANSFORMERS

H2705E



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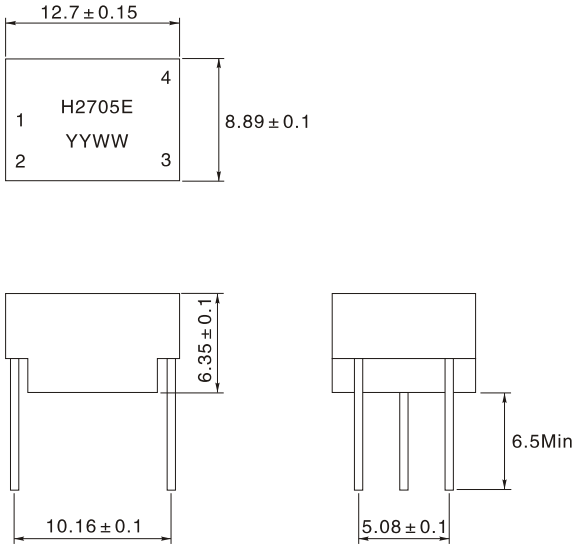
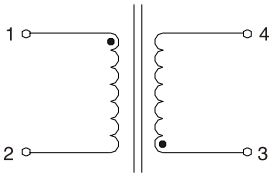
Part No.	Pri Pins	Sec Pins	Turns ratio (±3%)	Impedance (Ω)Min	RDC (Ω)Max	Decay time
H2705E	1-2	3-4	1.41:1	(1-2)	(1-2) 3.5	150ns
				3000	(3-4) 2.5	

PHYSICAL CHARACTERISTICS:(mm)



WINDING:

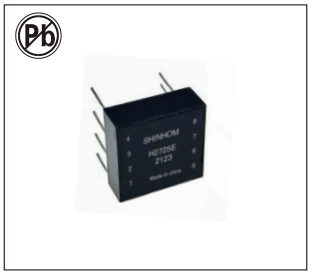


NOTES:

- 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℃ to+150℃
- Interwinding insulation: 500Vrms,500Hz

MIL-STD 1553B INTERFACE TRANSFORMERS

H2725E



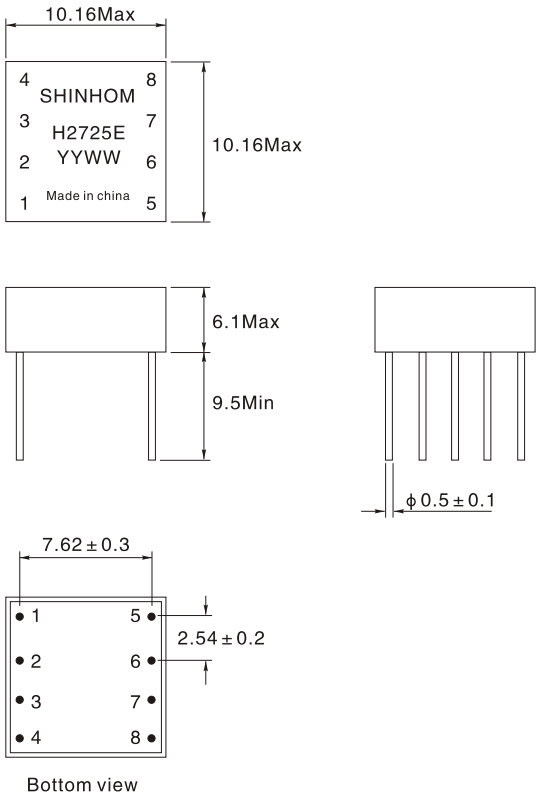
Features

- 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.

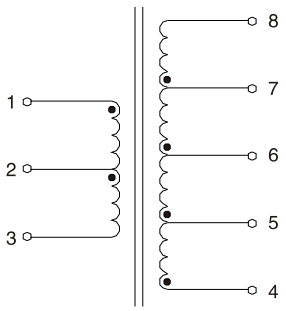
ELECTRICAL CHARACTERISTICS:@25℃

Part No.	Pri Pins	Sec Pins	Turns ratio (±3%)	Impedance (Ω)Min	RDC (Ω)Max	Decay time
H2725E	1-3	4-8	1:2.5	(4-8)	(1-3) 1.0	250ns
	1-3	5-7	1:1.79	4000	(4-8) 3.5	

PHYSICAL CHARACTERISTICS:(mm)



WINDING:

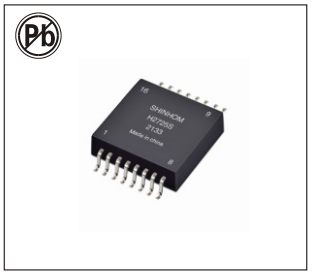


NOTES:

- 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℃ to+125℃
- Interwinding insulation: 500Vrms,500Hz

MIL-STD 1553B INTERFACE TRANSFORMERS

H2725S



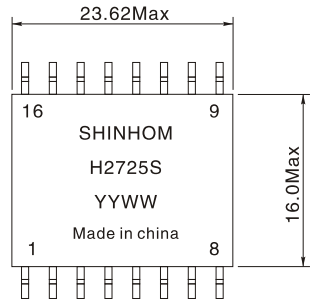
Features

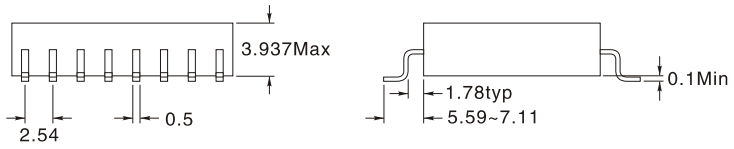
- This transformers fully meet MIL STD 1553B Command/Response Multiplex Data Bus requirements.
- They also meet MIL-T-21038 Pulse Transformer Specs.
- Applied standards: ESCC 3201 generic specification for space products
- Epoxy molding in accordance with outgassing requirements of ECSS-Q-ST-70-02C
- 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℃

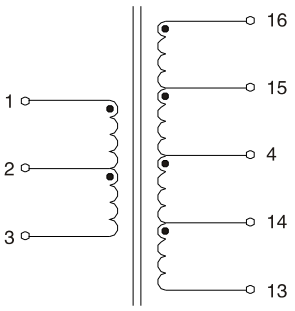
Part No.	Turns ratio (±3%)		Turns ratio (±3%)		RDC (Ω)Max	Impedance (Ω)Min
H2725S	1-3:16-13	1:2.5	1-3:15-14	1:1.79	(1-3) 1.0,(16-13) 3.5	4000
	5-7:12-9	1:2.5	5-7:11-10	1:1.79	(5-7) 1.0,(12-9) 3.5	4000

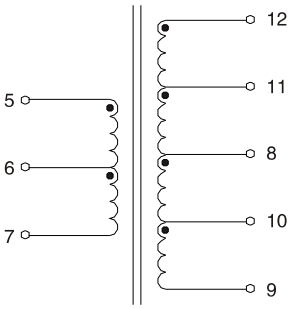
PHYSICAL CHARACTERISTICS:(mm)





WINDING:

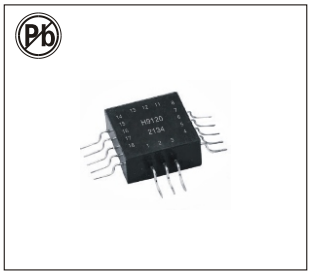




NOTES:

- 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℃ to+125℃
- Interwinding insulation: 500Vrms,500Hz

MIL-STD 1553B INTERFACE TRANSFORMERS
H91 SERIES



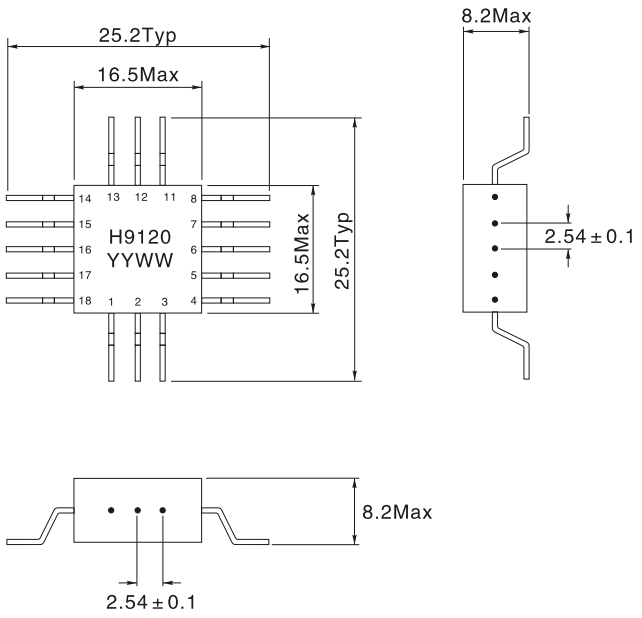
Features

- 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.

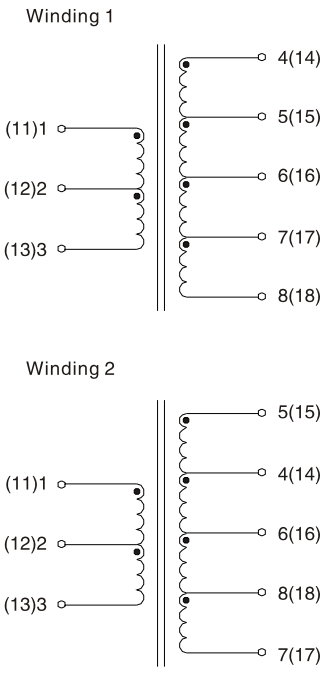
ELECTRICAL CHARACTERISTICS:@25℃

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:

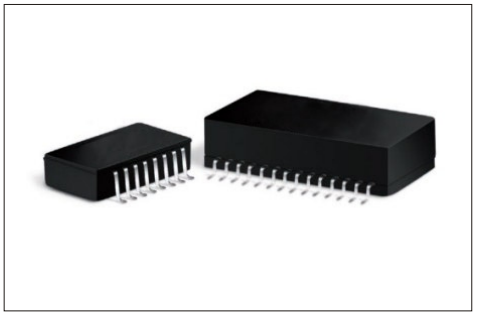


NOTES:

- 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℃ to+125℃
- Interwinding insulation: 500Vrms,500Hz

IEEE 1394B FIREWIRE 1.062GB TRANSCEIVER LINE INTERFACE MODULE

LTM1062HUXB



Features

- Small package incorporating active transmit and passive receive circuits with integrated isolation transformers
- Low power dissipation
- Low transmit/receive jitter
- Recommended for distances up to 20 meters
- AS9100 Certified (Based on, including ISO 9001:2000)
- IC grade transfer–molded package withstands 225℃ peak temperature profile.

TRANSMITTER — Electrical Specifications @ 25℃ — Operating Temperature –55℃ to +125℃

Part No.	Input Data Voltage–V_{IL} (V)			Input Data Voltage–V_{IH} (V)			Input Voltage Differential–V_{IN} (mV)			Input Current–I_{IL} (μA)	Input Current–I_{IH} (μA)	Differential Signal Level–V_{OUT} (mV)		
	MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX	MAX	MAX	MIN	TYP	MAX
LTM1062DUXB	1.35	1.63	1.88	2.07	2.33	2.58	150	800	1200	40	150	1200	1300	1500
LTM1062HUXB	1.35	1.63	1.88	2.07	2.33	2.58	150	800	1200	500	750	1200	1300	1500
LTM1062DU3XB	1.35	1.63	1.88	2.07	2.33	2.58	150	800	1200	500	750	1200	1300	1500
LTM125TXHUA	1.35	1.63	1.88	2.07	2.33	2.58	150	800	1200	500	750	1200	1300	1500

TRANSMITTER — Additional Electrical Specifications @ 25℃ — Operating Temperature –55℃ to +125℃

Part No.	Power Dissipation (mW)	θ ja (℃/W)		Input Voltage (V)	Data Rate–D_R (Mb/s)		TotalP–P Transmit Jitter (pS)		Output Rise–Fall Time(20%–80%) (ps)		Return Loss (dB)
	TYP	@85℃	@125℃	TYP	MIN	MAX	TYP	MAX	TYP	MAX	MIN
LTM1062DUXB	232	41	39	3.3V	246	1062	62	94	275	400	–12
LTM1062HUXB	232	41	39	3.3V	246	1062	62	94	275	400	–12
LTM1062DU3XB	700	34	30	3.3V	246	1062	62	94	275	400	–12
LTM125TXHUA	232	41	39	3.3V	98	246	62	94	275	400	–12

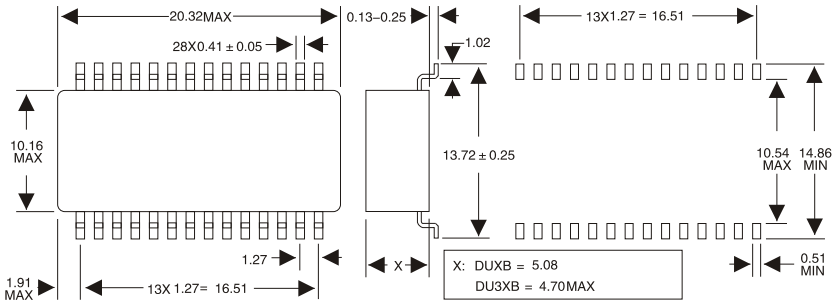
TRANSMITTER — Additional Electrical Specifications @ 25℃ — Operating Temperature –55℃ to +125℃

Part No.	Turns Ratio	Primary Inductance–L_m (μH)	Rise Time (20%–80%) (pS)	Data Rate–D_R (Mb/s)		Winding Resistance–DCR (Ω)	Insertion Loss (dB)	Return Loss (dB)
	TYP	MIN	MAX	MIN	MAX	MAX		
LTM1062DUXB	1:1	4.5	300	246	1062	0.2	–2MAX	–12MIN
LTM1062HUXB	1:1	4.5	300	246	1062	0.2	–2MAX	–12MIN
LTM1062DU3XB	1:1	4.5	300	246	1062	0.2	–2MAX	–12MIN
LTM125TXHUA	1:1	44	300	98	246	0.2	–2MAX	–12MIN

Notes: To order RoHS complient part, add the suix "Z" to the part number (i.e.LTM1062DUXBZ). Part Limited to 225° C Max Relow Temperature.

* At 1062 Mb/s Data Rate

Mechanical LTM1062DUXB/LTM1062DU3XB

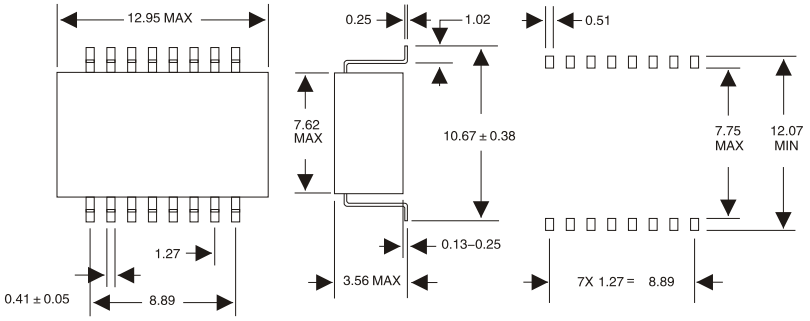


	DUXB	DU3XB
Weight	2.3grams	2.8grams
Tape & Reel	350/reel	350/reel
Tray	25/tray	25/tray
MSL	3	3

Dimensions:mm

Unless otherwise specified,all tolerances are ± 0.13

Mechanical LTM1062HUXB/LTM125TXHUA

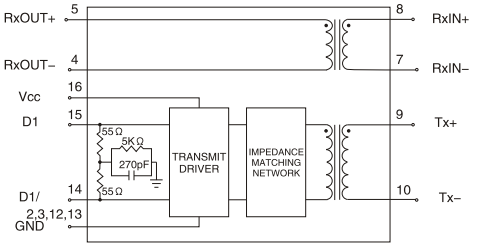


Weight 7.2grams
Tape & Reel 500/reel
Tray 20/tray
MSL 3

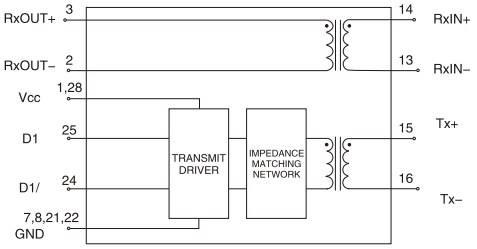
Dimensions:mm

Unless otherwise specified,all tolerances are ± 0.13

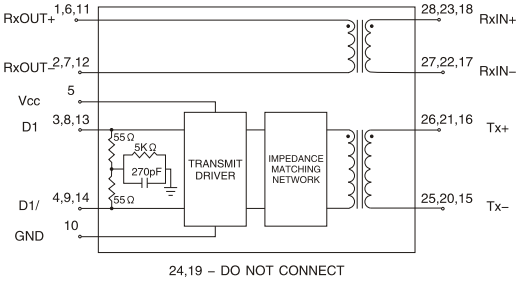
Schematic LTM1062HUXB/LTM125TXHUA



Schematic LTM1062DUXB



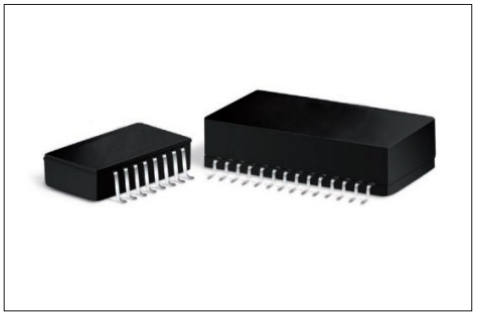
Schematic LTM1062DU3XB



24,19 – DO NOT CONNECT

IEEE 1394B FIREWIRE 1.062GB TRANSCEIVER LINE INTERFACE MODULE

LTM1062TXHUA SERIES



Features

・Small package incorporating active transmit and passive receive circuits with integrated isolation transformers
・Low power dissipation
・Low transmit/receive jitter
・Recommended for distances up to 20 meters
・AS9100 Certified (Based on, including ISO 9001:2000)
・IC grade transfer–molded package withstands 225℃ peak temperature profile.

TRANSMITTER — Electrical Specifications @ 25℃ — Operating Temperature –55℃ to +125℃

Part No.	Input Data Voltage–V_{IL} (V)			Input Data Voltage–V_{IH} (V)			Input Voltage Differential–V_{IN} (mV)			Input Current–I_{IL} (μA)	Input Current–I_{IH} (μA)	Differential Signal Level–V_{OUT} (mV)		
	MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX	MAX	MAX	MIN	TYP	MAX
LTM1062TXDUA	1.35	1.63	1.88	2.07	2.33	2.58	150	800	1200	40	150	1200	1300	1500
LTM1062TXHUA	1.35	1.63	1.88	2.07	2.33	2.58	150	800	1200	500	750	1200	1300	1500
LTM1062TX3DUA	1.35	1.63	1.88	2.07	2.33	2.58	150	800	1200	500	750	1200	1300	1500

TRANSMITTER — Additional Electrical Specifications @ 25℃ — Operating Temperature –55℃ to +125℃

Part No.	Power Dissipation (mW)	θ ja (℃/W)		Input Voltage (Vcc ± 10%)	Data Rate–D_R (Mb/s)		TotalP–P Transmit Jitter (pS)		Output Rise–Fall Time(20%–80%) (ps)		Return Loss (dB)
	TYP	@85℃	@125℃	TYP	MIN	MAX	TYP	MAX	TYP	MAX	MIN
LTM1062TXDUA	232	41	39	3.3V	246	1062	62	94	275	400	–12
LTM1062TXHUA	232	41	39	3.3V	246	1062	62	94	275	400	–12
LTM1062TX3DUA	700	34	30	3.3V	246	1062	62	94	275	400	–12

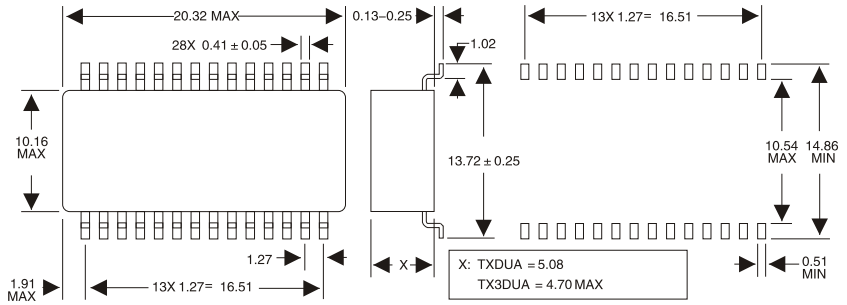
TRANSFORMER COUPLED RECEIVER — Electrical Specifications @ 25℃ — Operating Temp. –55℃ to +125℃

Part No.	Turns Ratio	Primary Inductance–L_m (μH)	Rise Time (20%–80%) (pS)	Data Rate–D_R (Mb/s)		Winding Resistance–DCR (Ω)	Insertion Loss (dB)	Return Loss (dB)
	TYP	MIN	MAX	MIN	MAX	MAX		
LTM1062TXDUA	1:1	4.5	300	246	1062	0.2	–2MAX	–12MIN
LTM1062TXHUA	1:1	4.5	300	246	1062	0.2	–2MAX	–12MIN
LTM1062TX3DUA	1:1	4.5	300	246	1062	0.2	–2MAX	–12MIN

*At 1062 Mb/s data rate

Note:Add suffix "T" to part number for Tape and reel package

Mechanical LTM1062TXDUA/LTM1062TX3DUA

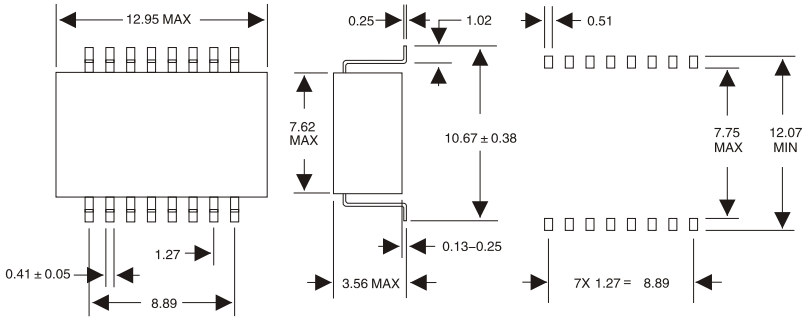


	TXDUA	TX3DUA
Weight	2.3grams	2.8grams
Tape & Reel	350/reel	350/reel
Tray	25/tray	25/tray
MSL	3	3

Dimensions:mm

Unless otherwise specified,all tolerances are ± 0.13

Mechanical LTM1062TXHUA

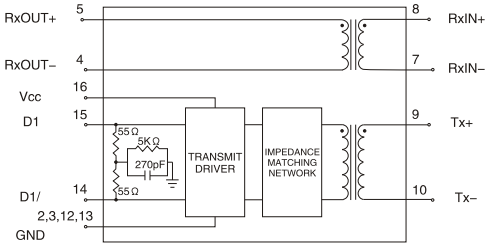


Weight.....7.2grams
Tape & Reel 500/reel
Tray.....20/tray
MSL.....3

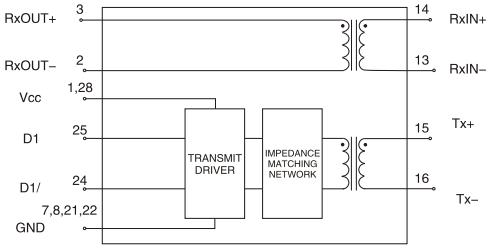
Dimensions:mm

Unless otherwise specified,all tolerances are ± 0.13

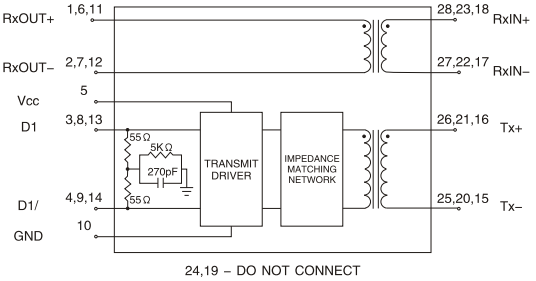
Schematic LTM1062TXHUA



Schematic LTM1062TXDUA



Schematic LTM106TX3DUA



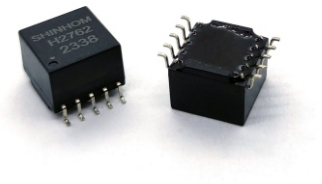
24,19 – DO NOT CONNECT

DATABUS INTERFACE TRANSFORMERS

SHINHOM

Feature:

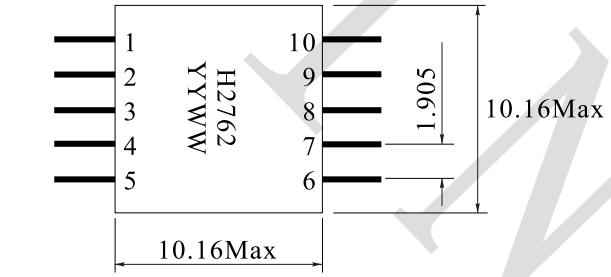
- Designed to Meet MIL-STD-1553 A/B & MIL-PRF-21038
- Common Mode Rejection (CMR) Greater Than 45dB
- Impedance Test Frequency from 75KHz to 1MHz
- Droop less than 20%
- Overshoot & ringing ±1V Max
- Pulse width 2uS
- Hi-Pot: 100Vrms Between Pin1-10,4-7
- Insulation resistance: 1000MΩ,250Vdc Between Pin1-10,4-7
- Operating temperature range: -55℃ to+130℃
- For Non-RoHS, reflow process must not cause the peak body temperature of the device to exceed 225℃ and must not expose the device to temperature above 183℃ for more than 90 seconds.
- For RoHS (+), reflow process must not cause the peak body temperature of the device to exceed 245℃ and must not expose the device to temperature above 217℃ for more than 150 seconds.

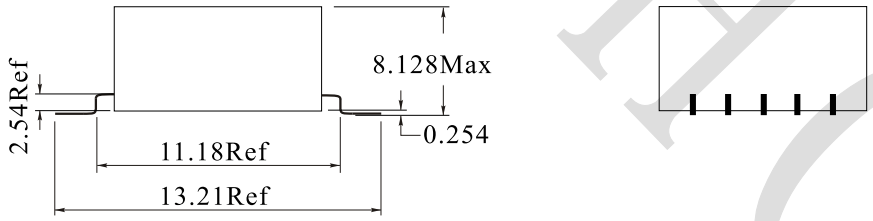


SPECIFICATIONS

Part No.	Turns ratio ±3%	Terminals		DCR(Ω)Max		10-9,7-6 Impedance(Ω)Min	
		Pri	Sec	Pri	Sec	75KHz-249KHz	250KHz-1MHz
H2762	(1-2):(10-9)=1:2.5 (4-5):(7-6)=1:2.5	1-2,4-5	10-9,7-6	1.5	3.5	3000	4000

MECHANICAL





SCHEMATIC