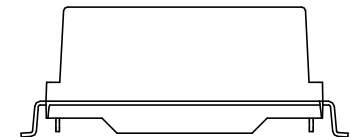
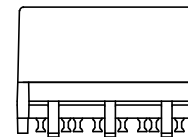




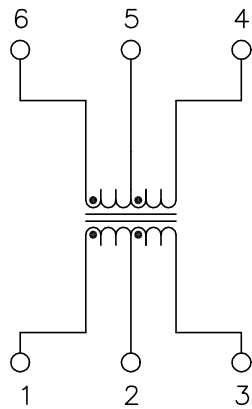
NOTES:

1. ROHS+HF COMPLIANT
2. STORAGE TEMPERATURE: -50°C TO $+125^{\circ}\text{C}$
3. COMPLIANCE TO J-STD:
 - A. J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
 - B. J-STD-020: MOISTURE SENSITIVE LEVEL 1
 - C. J-STD-075: R7, 245°C MAXIMUM THROUGH REFLOW SOLDER
4. TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX
TO THE PART NUMBER(i.e HXE2018HL BECOMES HXE2018HLT).
5. MATERIAL GROUP I: INSULATED MATERIALS (HEADER, WIRE AND EPOXY)



FINAL OUTLINE

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
XFMR,SGL,4.3KVDC,REINFORCED INS,SMT	HXE2018HL-X1	PS-08385.001-01	1 OF 4	HXE2018HL	B

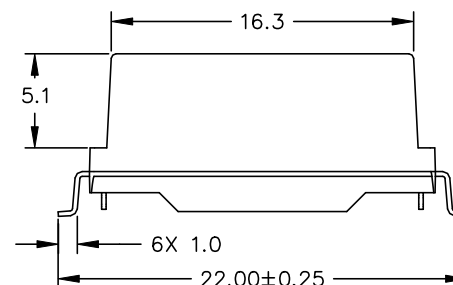
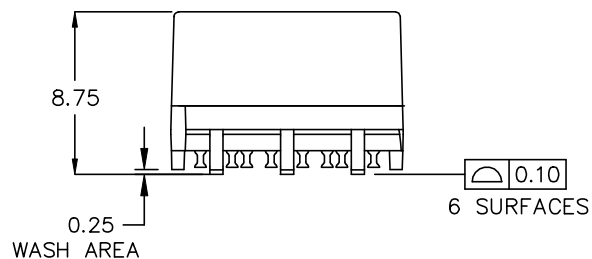


SCHEMATIC

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
(FOR REFERENCE ONLY. USED FOR CUSTOMER INFORMATION.)

PARAMETER	SPECIFICATIONS
DESIGN CONSTRUCTION	REINFORCE INSULATION
CLEARANCE DISTANCE	> 8.1 mm
CREEPAGE DISTANCE	> 8.1 mm
OPERATING TEMPERATURE	-40°C TO +125°C
TURNS RATIO	1.00 ± 2%
POLARITY	PER SCHEMATIC
DC RESISTANCE	0.80 OHMS MAX
INDUCTANCE (OCL) AT 100 kHz, 100 mV (-40°C TO +125°C)	150 uH MIN, 450 uH MAX
LEAKAGE INDUCTANCE	1.0 uH MAX @ 100 kHz
INSERTION LOSS	0.50 dB MAX @ 4 MHz
RETURN LOSS (Z OUT = 100 OHM ±1%)	20 dB MIN @ 4 MHz
INPUT – OUTPUT ISOLATION	4300 VDC FOR 60 SECONDS WITH 2.0 mA MAX OF LEAKAGE CURRENT
INSULATION RESISTANCE	400 MEGAOHMS MINIMUM
WORKING VOLTAGE	500 VDC FOR 15 YEARS

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
XFMR,SGL,4.3KVDC,REINFORCED INS,SMT	HXE2018HL-X1	PS-08385.001-01	2 OF 4	HXE2018HL	B



DIMENSIONS ARE IN MILLIMETERS WITH THE FOLLOWING TOLERANCES:
.XX= ± 0.25

© Copyright, 2023. Pulse Electronics Corp. All rights reserved. Pulse confidential & proprietary. (06/06/23)

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
XFMR,SGL,4.3KVDC,REINFORCED INS,SMT	HXE2018HL-X1	PS-08385.001-01	3 OF 4	HXE2018HL	B



CHANGE RECORD

REV	DESCRIPTION	DATE	AUTHOR
A	NEW DS	05JUN23	BEZHOU
B	UPDATE CLEARANCE DISTANCE TO 8.1MM PER CUSTOMER REQUIREMENT	06JUN23	BEZHOU

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
XFMR,SGL,4.3KVDC,REINFORCED INS,SMT	HXE2018HL-X1	PS-08385.001-01	4 OF 4	HXE2018HL	B