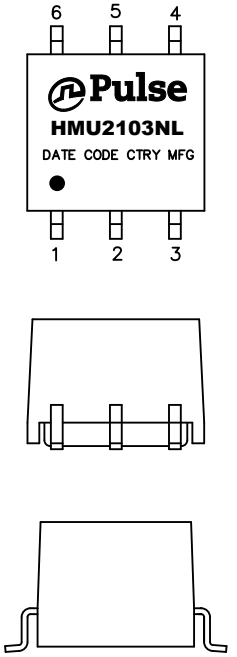
NOTES:

1. ROHS COMPLIANT
2. STORAGE TEMPERATURE: −50°C TO +125°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. PACKING SPECIFICATION:
   REEL SIZE: 330mm
   TAPE WIDTH: 16mm
   TAPE PITCH: 12mm

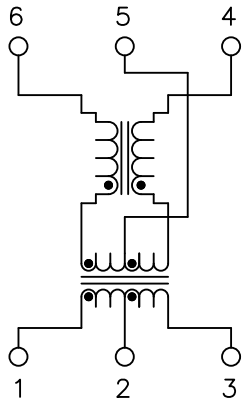
   COMPONENTS PER REEL: 700 pcs



FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
TRANSFORMER/CMC,4.3kVDC ISO,SGL,SMT	HMU2103NL−14	PS−2303.002−A	1 OF 5	HMU2103NL	I



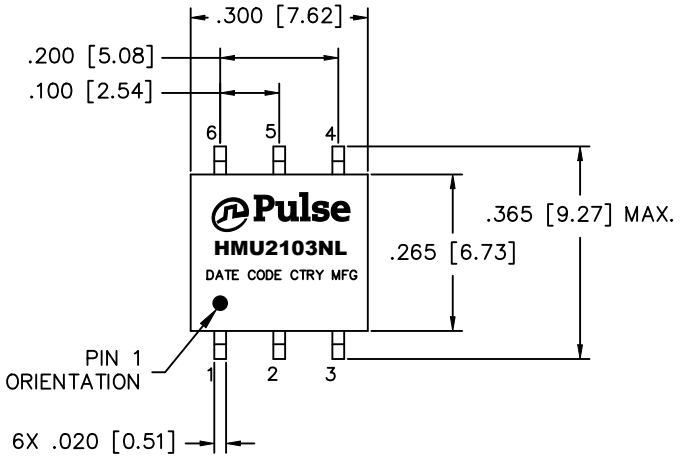
SCHEMATIC

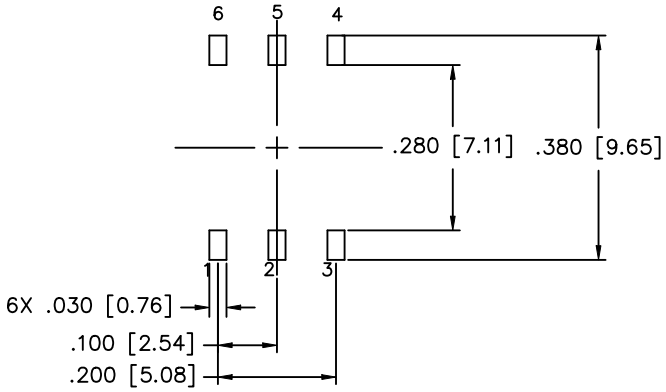
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
(FOR REFERENCE ONLY. USED FOR CUSTOMER INFORMATION.)

PARAMETER	SPECIFICATIONS	
QUALIFICATION	PER AEC-Q200	
OPERATING TEMPERATURE	-40°C TO +125°C	
TURNS RATIO	1.00 ± 2%	
POLARITY	PER SCHEMATIC	
DC RESISTANCE	TRANSFORMER SIDE	CM CHOKE SIDE
	0.35 OHMS MAX	0.80 OHMS MAX
▽INDUCTANCE (OCL) AT 100 kHz, 100 mV (-40°C TO +125°C)	150 uH MIN, 370 uH MAX	
▽ INSERTION LOSS	0.30 dB MAX @ 4 MHz	
LEAKAGE INDUCTANCE	0.5uH MAX @ 100 kHz	
RETURN LOSS (Z OUT = 100 OHM ±15%)	20 dB MIN @ 4 MHz	
COMMON MODE REJECTION RATIO	1 - 10 MHz	10-1000 MHz
	-35 dB MIN	-20 dB MIN
▼ INPUT - OUTPUT ISOLATION	4300 VDC FOR 60 SECONDS	
WORKING VOLTAGE	1000 VDC FOR 15 YEARS	
CREEPAGE DISTANCE	> 5mm	

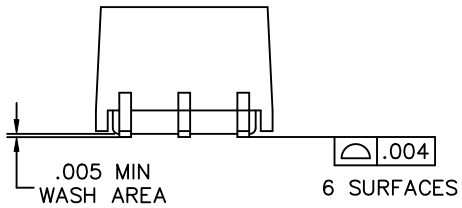
NOTE: "▽" IS SPECIAL CHARACTERISTIC.

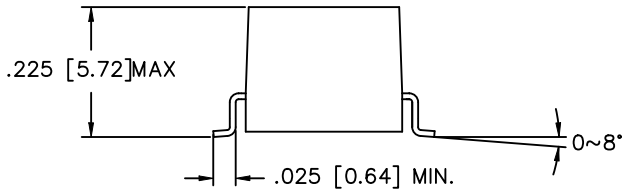
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SUGGESTED LAND PATTERN



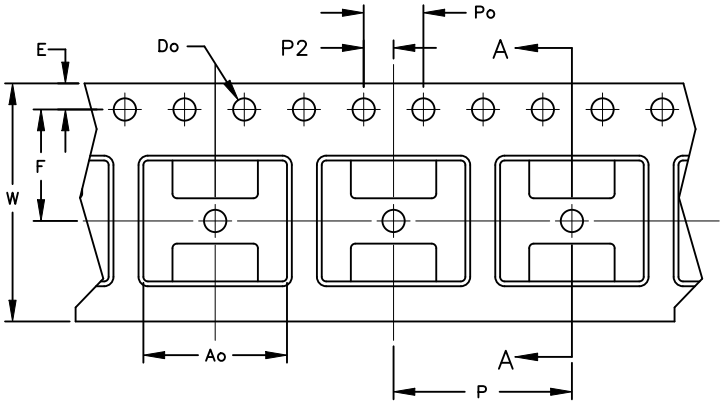


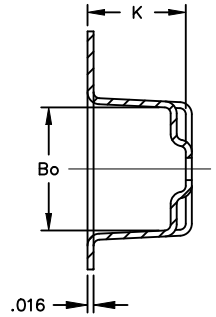
DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING
TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XX= ±.01 [±0.25]
.XXX= ±.005 [±0.13]

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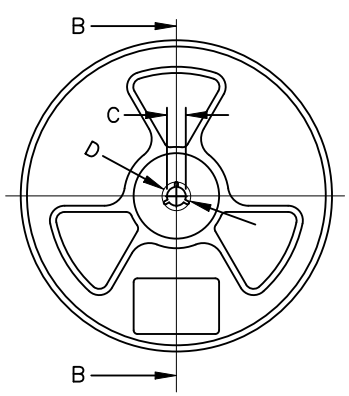
PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
TRANSFORMER/CMC,4.3kVDC ISO,SGL,SMT	HMU2103NL-14	PS-2303.002-A	3 OF 5	HMU2103NL	I

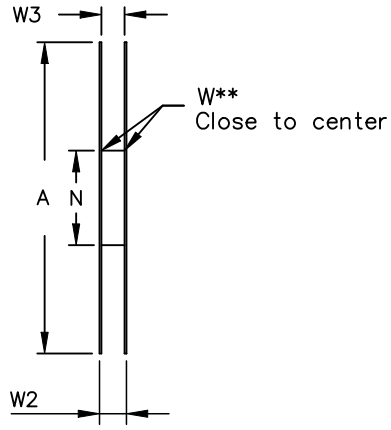
USER DIRECTION OF FEED





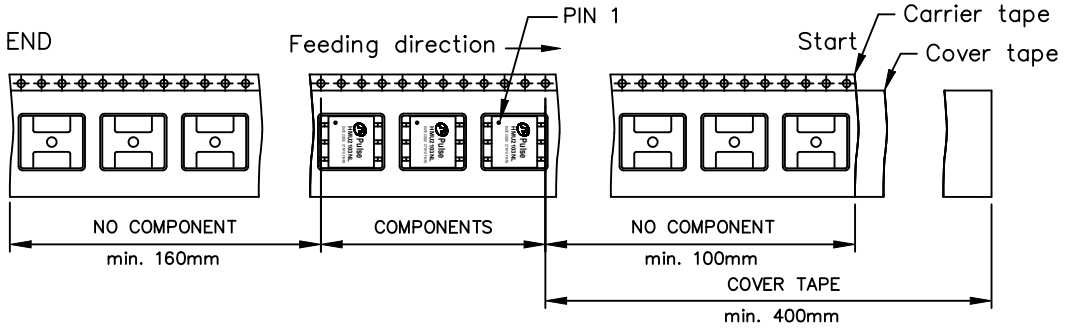
SECTION A–A

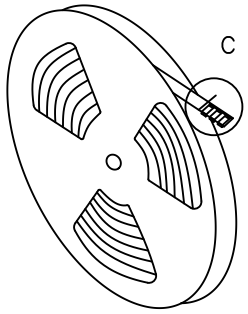


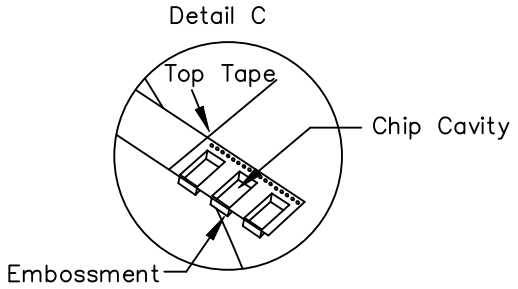


ITEM	W	P	Ao	Bo	K	T	C	Do	E	F	Po
DIM	16	12	9.65	8.28	6.6	0.40		1.5	1.75	7.5	4.0

		A	B	C	D	N	W1	W2	W3	W3
Tolerance			min.	±0.8	min.	min.	+2.0	max.	min.	max.
Tape width	mm	330.00	1.50	13.00	20.20	100.00	16.4	18.4	16.4	18.39







ALL DIMENSIONS ARE IN MILLIMETERS WITH THE FOLLOWING
TOLERANCES: ±0.10

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CHANGE RECORD

REV	DESCRIPTION	DATE	APPROVED
A	NEW DS	–	BEZHOU
B	CHANGE OCL FROM 170 uH MIN, 350 uH MAX TO 150 uH MIN, 370 uH MAX	–	BEZHOU
C	CHANGE QUALIFICATION FROM AEC–Q200 (PENDING) TO PER AEC–Q200	–	BEZHOU
D	CHANGE NEW "ROHS" AND "AEC–Q200" LOGO	–	BEZHOU
E	ADD SC WITH "▽" AND PACKING INFORMATION	01SEP17	BEZHOU
F	ADD PIN POSITION	15AUG22	BEZHOU
G	UPDATE PS DRAWING AND SC WITH "▽"	26MAY25	BEZHOU
H	ADD LEAKAGE INDUCTANCE SEPC.	09DEC25	BEZHOU
I	REMOVE NOTES : "TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX" ON PAGE 1	26MAY26	BEZHOU

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