

Excellent Integrated System Limited

Stocking Distributor

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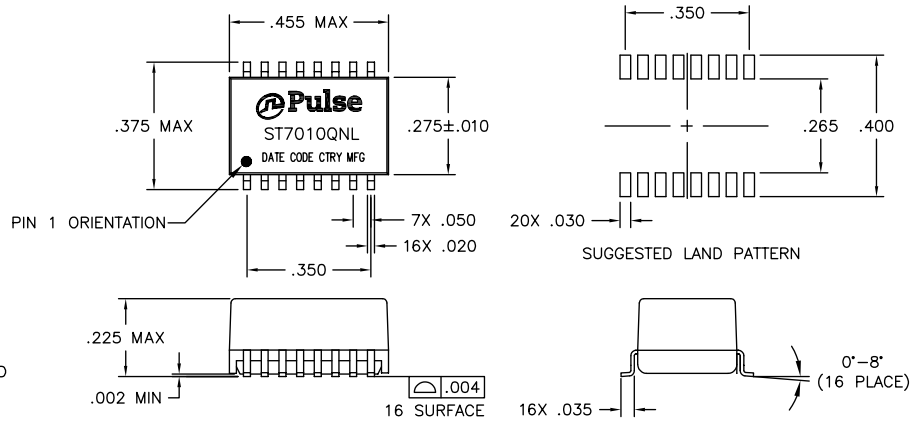
[Pulse Electronics Corporation](#)
[ST7010QNLT](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

NOTES: UNLESS OTHERWISE SPECIFIED

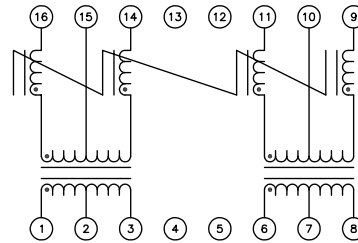
1. ROHS COMPLIANT
2. PLASTIC: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002, 245°C REFLOW PEAK TEMPERATURE PER IPC/EIA J-STD-003A
4. OPERATING TEMPERATURE: 0°C TO +70°C
5. STORAGE TEMPERATURE: -20°C TO +125°C
6. JEDEC MOISTURE: LEVEL 1.
7. DIMENSIONS ARE IN INCHES, TOLERANCES:
.XX = ±.01 .XXX = ±.005



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

PARAMETER	SPECIFICATIONS
URNS RATIO	(1-3) : (16-14) = 1 : 1 ±5% (6-8) : (11-9) = 1 : 1.414 ±5%
INDUCTANCE (OCL)	⊙ 20 mV, 10 KHz (1-3) = 175 uH MIN (6-8) = 80 uH MIN 15-(14, 16) = 18-60 uH
CAPACITANCE WINDING TO WINDING	20 pF MAX (⊙ 140 KHz, 1 V)
DC RESISTANCE (EACH WINDING)	0.9 OHMS MAX
LEAKAGE INDUCTANCE	(1-3) SHORTED (14-16) = .40 uH MAX ⊙ 1 MHz MIN (9-11) SHORTED (6-8) = .55 uH MAX ⊙ 1 MHz MIN
IMPEDENCE (OHMS)	10 MHz 20-30 MHz 55 MHz 70 MHz 100 MHz 650 MIN 950 MIN 550 MIN 400 MIN 200 MIN
INPUT - OUTPUT ISOLATION	1500 VRMS MIN ⊙ 60 SECONDS

NOTE: f IS FREQUENCY IN MHz.



SCHEMATIC

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PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	MDL,SIN,10D,2:1,SMT,0H	PS-2400.001-A	1	ST7010QNL	M13