
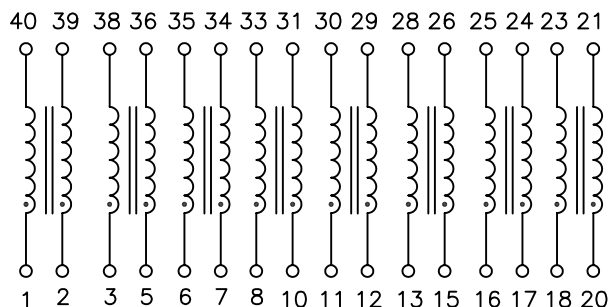


NOTES: UNLESS OTHERWISE SPECIFIED

1. 

NOTICE:	THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.
RoHS 	
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 WITH THE FOLLOWING TOLERANCES:  
.XX= ±.02  
.XXX= ±.010



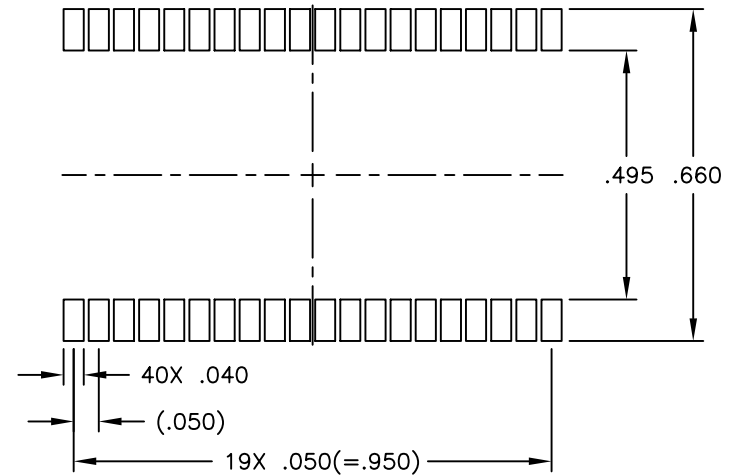
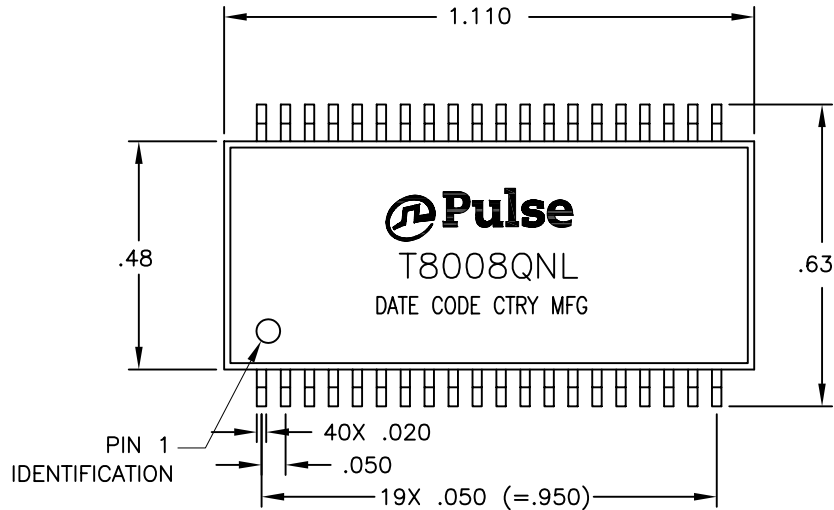
SCHMATIC

ELECTRICAL CHARACTERISTICS AT +25°C

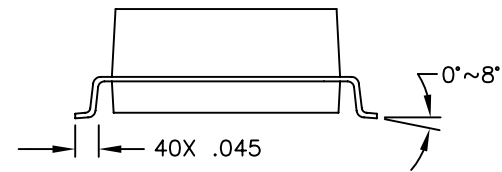
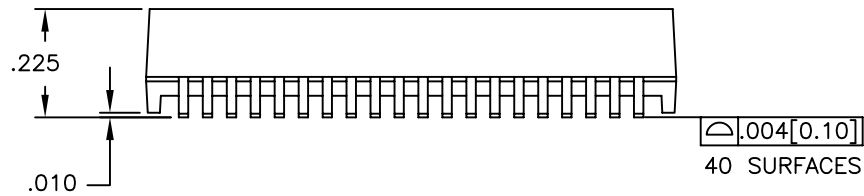
NO.	PARAMETER	SPECIFICATIONS														
1	TURNS RATIO @ 10 KHz, 0.1 VRMS	$\frac{(1-40)}{(2-39)} = \frac{(3-38)}{(5-36)} = \frac{(6-35)}{(7-34)} = \frac{(8-33)}{(10-31)} = 1.0 \pm 2\%$ $\frac{(11-30)}{(12-29)} = \frac{(13-28)}{(15-26)} = \frac{(16-25)}{(17-24)} = \frac{(18-23)}{(20-21)} = 1.0 \pm 2\%$														
2	INDUCTANCE (OCL) @ 100 KHz, 0.1 VRMS	(1-40) = (3-38) = (6-35) = (8-33) = 47.0 uH MIN (12-29) = (15-26) = (17-24) = (20-21) = 47.0 uH MIN														
3	DC RESISTANCE	(11-30) = (13-28) = (16-25) = (18-23) = 0.50 OHMS MAX (2-39) = (5-36) = (7-34) = (10-31) = 0.50 OHMS MAX														
4	LEAKAGE INDUCTANCE @ 100 KHz, 0.1 VRMS	(1-40) WITH (2-39) SHORTED = .450 uH MAX (3-38) WITH (5-36) SHORTED = .450 uH MAX (6-35) WITH (7-34) SHORTED = .450 uH MAX (8-33) WITH (10-31) SHORTED = .450 uH MAX (11-30) WITH (12-29) SHORTED = .450 uH MAX (13-28) WITH (15-26) SHORTED = .450 uH MAX (16-25) WITH (17-24) SHORTED = .450 uH MAX (18-23) WITH (20-21) SHORTED = .450 uH MAX														
5	CWW @ 100 KHz, 1.0 VRMS	(1-40) TO (2-39) = 25 pF MAX (3-38) TO (5-36) = 25 pF MAX (6-35) TO (7-34) = 25 pF MAX (8-33) TO (10-31) = 25 pF MAX (11-30) TO (12-29) = 25 pF MAX (13-28) TO (15-26) = 25 pF MAX (16-25) TO (17-24) = 25 pF MAX (18-23) TO (20-21) = 25 pF MAX														
6	COMMON MODE ATTENUATION	<table border="1" data-bbox="1317 1214 2054 1310"> <tr> <td>.100 MHz</td> <td>1 MHz</td> <td>10 MHz</td> <td>30 MHz</td> <td>50 MHz</td> <td>100 MHz</td> <td>300 MHz</td> </tr> <tr> <td>-7 dB MINIMUM</td> <td>-18 dB MINIMUM</td> <td>-32 dB MINIMUM</td> <td>-36 dB MINIMUM</td> <td>-35 dB MINIMUM</td> <td>-29 dB MINIMUM</td> <td>-15 dB MINIMUM</td> </tr> </table>	.100 MHz	1 MHz	10 MHz	30 MHz	50 MHz	100 MHz	300 MHz	-7 dB MINIMUM	-18 dB MINIMUM	-32 dB MINIMUM	-36 dB MINIMUM	-35 dB MINIMUM	-29 dB MINIMUM	-15 dB MINIMUM
.100 MHz	1 MHz	10 MHz	30 MHz	50 MHz	100 MHz	300 MHz										
-7 dB MINIMUM	-18 dB MINIMUM	-32 dB MINIMUM	-36 dB MINIMUM	-35 dB MINIMUM	-29 dB MINIMUM	-15 dB MINIMUM										
6	HIPOT	650 VRMS FOR 6S														

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PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	CHOKE 2W,OCTAL,T1,40POH,47uH,NL	PS-0002.002-B	1	T8008QNL	M13



SUGGESTED PAD LAYOUT



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PULSE CONFIDENTIAL  
&  
PROPRIETARY

PRODUCT DESCRIPTION

CHOKE 2W,OCTAL,T1,40POH,47uH,NL

PS DRAWING

PS-0002.002-B

SHEET:

2

DWG. NO./ PART NO.

T8008QNL

REV.

M13