

# Isolation Transformers for LAN-Ethernet Applications

## EP9531-X & EP9531-X-RC

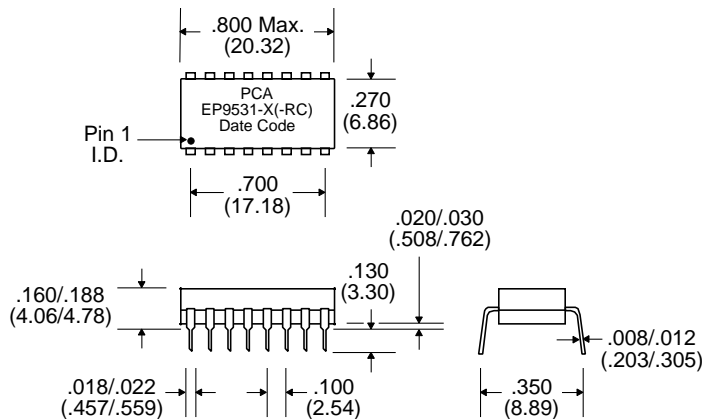


- Designed for IEEE 802.3 and ECMA Requirements
- Low Profile 16 Pin DIP & SMD Packages available
- Add “-RC” after part number for RoHS Compliant
- Hipot : 2000 Vrms  
(in compliance with LAN's Safety Requirements)
- Storage Temperature : -40°C to +125°C
- Operating Temperature : 0°C to +70°C

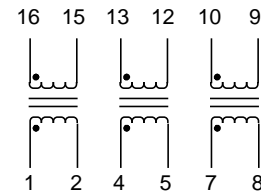
### Electrical Parameters @ 25° C

PCA Part Number	OCL (μH)	Interwinding Capacitance (pF Max.)	Leakage Inductance (μH Max.)	Et-Constant (V-μSec. Typ.)	Rise Time (nS Max.)	DCR ( Max.)
EP9531-1(-RC)	25 ± 25%	5	0.15	2.0	3.0	0.15
EP9531-2(-RC)	30 ± 20%	5	0.15	2.0	3.0	0.15
EP9531-3(-RC)	35 ± 20%	6	0.15	2.2	3.0	0.20
EP9531-4(-RC)	50 ± 20%	7	0.20	2.2	3.0	0.20
EP9531-5(-RC)	75 ± 20%	8	0.20	2.5	3.0	0.25
EP9531-6(-RC)	100 ± 20%	9	0.25	2.5	3.0	0.30
EP9531-7(-RC)	125 ± 20%	10	0.25	3.0	3.0	0.30
EP9531-8(-RC)	150 ± 20%	11	0.25	3.0	3.0	0.40
EP9531-9(-RC)	175 ± 20%	12	0.25	3.5	3.5	0.50
EP9531-10(-RC)	200 ± 20%	13	0.30	3.5	3.5	0.50
EP9531-11(-RC)	250 ± 20%	14	0.35	4.0	4.0	0.60
EP9531-12(-RC)	300 ± 30%	15	0.35	4.0	4.0	0.60
EP9531-13(-RC)	350 ± 20%	16	0.35	4.5	4.0	0.65
EP9531-15(-RC)	335 ± 25%	16	0.35	4.5	4.0	0.65

### Package



### Schematic



Notes :	EP9531-X	EP9531-X-RC
1. Lead Finish	SnPb	Hot Tin Dip (Sn)
2. Peak Solder Rating (Wave Solder Process Only)	260°C	260°C
3. Weight	1.2 grams	1.2 grams
4. Packaging Information (Tube)	24 pieces/tube	24 pieces/tube

Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25