PCA ELECTRONICS INC.

Isolation Transformers for LAN-Ethernet Applications

EPA1885-X & EPA1885-X-RC

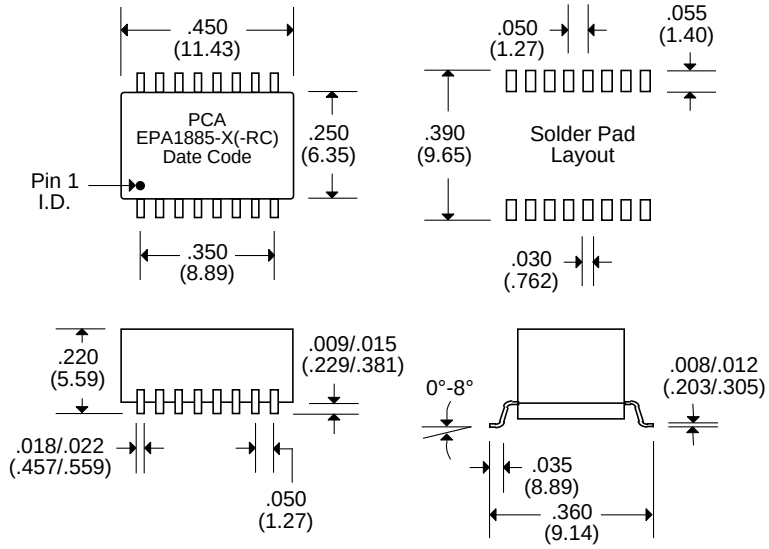


- Designed for IEEE 802.3 and ECMA Requirements
- Available in Low Profile S.O.I.C. 16 Pin SMD Package
- Add “-RC” after part number for RoHS Compliant
- Hipot : both 2000 Vrms and 500 Vrms available in compliance with LAN’s Safety Requirements
- Storage Temperature : -40°C to +125°C
- Operating Temperature : 0°C to +70°C
- UL 94V-0 Recognized Materials

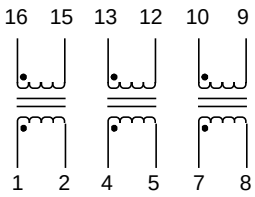
Electrical Parameters @ 25° C

PCA Part Number	OCL (µH ± 20%)	Interwinding Capacitance (pF Max.)	Leakage Inductance (µH Max.)	Et-Constant (V-µSec. Typ.)	Rise Time (nS Max.)	Turns Ratio (± 5%)	DCR (Ω Max.)
EPA1885-1(-RC)	25	5	0.15	2.0	3.0	1:1	0.15
EPA1885-2(-RC)	30	5	0.15	2.0	3.0	1:1	0.15
EPA1885-3(-RC)	35	6	0.15	2.0	3.0	1:1	0.20
EPA1885-4(-RC)	50	7	0.20	2.0	3.0	1:1	0.20
EPA1885-5(-RC)	75	8	0.20	2.4	3.0	1:1	0.30
EPA1885-6(-RC)	100	9	0.25	2.5	3.0	1:1	0.30
EPA1885-7(-RC)	125	10	0.25	3.0	3.0	1:1	0.30
EPA1885-8(-RC)	150	11	0.25	3.0	3.0	1:1	0.40
EPA1885-9(-RC)	175	12	0.25	3.0	3.5	1:1	0.50
EPA1885-10(-RC)	200	13	0.30	3.5	3.5	1:1	0.50

Package



Schematic



Notes :	EPA1885-X	EPA1885-X-RC
1. Lead Finish	SnPb	Hot Tin Dip (Sn)
2. Peak Temperature Rating	225°C	245°C
3. Moisture Sensitive Levels	MSL = 3 (168 Hours, ≤30°C/60%RH)	MSL = 4 (72 Hours, ≤30°C/60%RH)
4. Weight	0.7864 grams	0.7864 grams
5. Packaging Information (Tube)	42 pieces/tube	42 pieces/tube
(Tape & Reel)	500 pieces/13” reel	500 pieces/13” reel

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

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Product performance is limited to specified parameters. Data is subject to change without prior notice.

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