

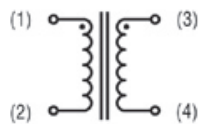


Encapsulated Current Sense Transformers

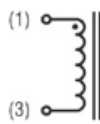
- Insulation Resistance, Minimum 100 M Ω
- Operating Temperature Range -25°C to +105°C
- Dielectric Withstanding Voltage 4.2 kV Pri to Sec

Schematics

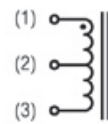
Schematic A



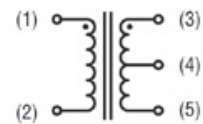
Schematic B



Schematic C



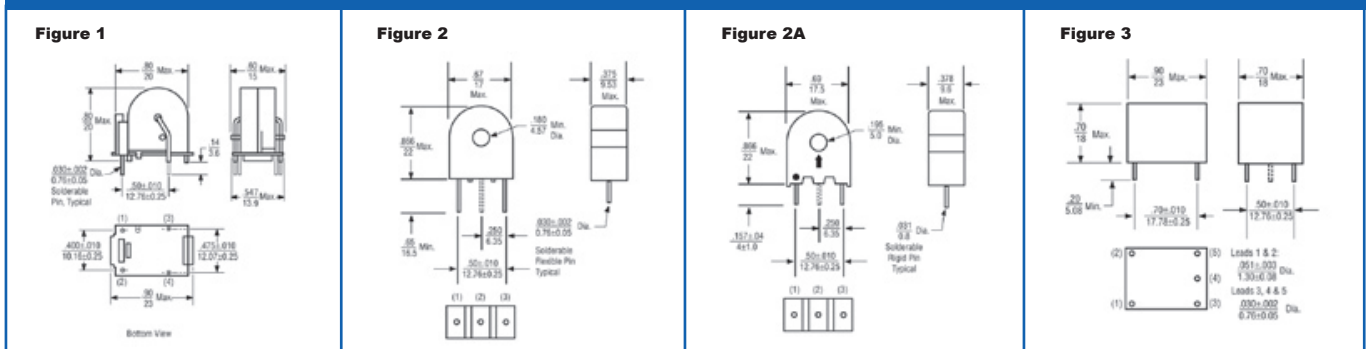
Schematic D



Specifications @ 25°C / Packaging

Part Number	Turns Ratio $\pm 1\%$ or ± 1 turn whichever is greater	Secondary Inductance @ 10 kHz mH min.	Secondary DC Resistance Ω Max.	Schematic	Figure	Secondary V- μ S Max.	Current I Turn Primary Amps	Carton Box Quantity (Units)
HM31-10050	1:50	5	0.7	A	1	300	5	360
HM31-10100	1:100	20	1.4	A	1	600	5	360
HM31-20050	1:50	5	0.7	B	2	330	20	600
HM31-20100	1:100	20	1.4	B	2	660	20	600
HM31-20200	1:200	85	4.5	B	2	1,300	20	600
HM31-21050	1:25:25	1.3	0.7	C	2	150	20	600
HM31-21100	1:50:50	5	1.4	C	2	330	20	600
HM31-21200	1:100:100	20	4.5	C	2	660	20	600
HM31-20050L	1:50	5	0.7	B	2A	330	20	900
HM31-20100L	1:100	20	1.4	B	2A	660	20	900
HM31-20200L	1:200	85	4.5	B	2A	1,300	20	900
HM31-21050L	1:25:25	1.3	0.7	C	2A	150	20	900
HM31-21100L	1:50:50	5	1.4	C	2A	330	20	900
HM31-21200L	1:100:100	20	4.5	C	2A	660	20	900
HM31-30050	1:50	5	0.7	A	3	330	20	90
HM31-30100	1:100	20	1.4	A	3	660	20	90
HM31-30200	1:200	85	4.5	A	3	1,300	20	90
HM31-30300	1:300	195	11.0	A	3	2,000	20	90
HM31-31050	1:25:25	1.3	0.7	D	3	160	20	90
HM31-31100	1:50:50	5	1.4	D	3	330	20	90
HM31-31200	1:100:100	20	4.5	D	3	660	20	90
HM31-31300	1:150:150	48	11.0	D	3	1,000	20	90

Outline Dimensions (Inch/mm)



Note: Add suffix 'LF' for lead-free parts (e.g. HM31-10050 changes to HM31-10050LF).