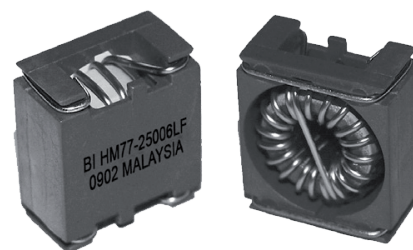


Low Profile Surface Mount Inductors

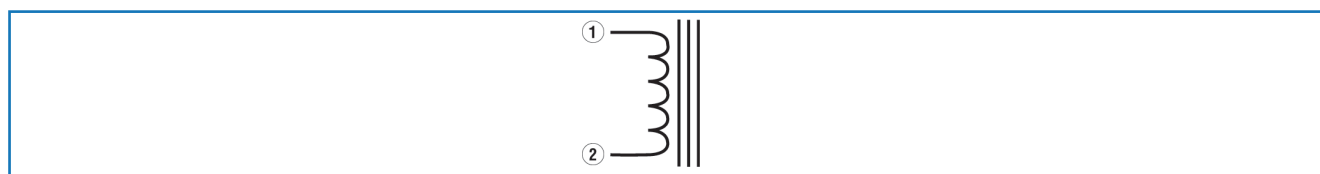
Model HM77

Features and Benefits

- Operating Temperature Range -40°C to +130°C
- Operating Frequency Up to 400kHz
- RoHS Compliant



Schematic



Specifications

Part Number	Operating Values			Case Size	Control Values ⁽³⁾		
	L_{DC} $\mu H^{(1)}$	I_{DC} Amps	$E_{T_{op}}$ $V-\mu S^{(2)}$		$L_{w/o DC}$ L_o $\mu H \pm 20\%$	DC Resistance $m\Omega$, Nom.	DC Resistance $m\Omega$, Max.
HM77- 10001LF	1.01	3.40	0.532	1	1.1	11.00	12.5
HM77- 20001LF	6.20	1.40	1.33	1	7.00	60.30	70
HM77- 30001LF	17.6	1.00	2.40	1	22.7	109.00	125
HM77- 40002LF	3.80	4.80	1.76	2	5.20	17.0	19.1
HM77- 50002LF	9.40	2.80	2.70	2	12.3	37.80	43.4
HM77- 60002LF	29.7	1.40	4.6	2	35.3	141.00	166
HM77- 70002LF	114	0.94	10	2	167	330.00	380
HM77- 80003LF	2.50	8.00	1.77	3	3.80	7.20	8.3
HM77- 90003LF	5.10	5.40	2.51	3	7.50	14.30	17.7
HM77- 10003LF	16.2	2.70	4.29	3	21.9	54.70	63
HM77- 11003LF	58.1	1.30	7.83	3	73	233.00	290
HM77- 12003LF	192	0.90	15.7	3	292	472.00	560
HM77- 13003LF	383	0.72	23.5	3	672	750.00	862
HM77- 14004LF	0.91	13.3	1.035	4	1.25	4.56	5.70
HM77- 15004LF	1.32	11.5	1.33	4	2.10	4.56	5.70
HM77- 16004LF	4.90	7.80	3.04	4	7.90	10.50	12.4
HM77- 17004LF	9.00	5.50	4.06	4	14	19.30	22.3
HM77- 18004LF	29.1	2.70	6.90	4	40.5	75.8	85
HM77- 19004LF	645	0.74	36.5	4	1134	1040	1250
HM77- 30004LF		3.00	9.50	4	48	48.5	59
HM77- 22006LF	2.03	13	3.30	6	2.70	5.60	6.80
HM77- 23006LF	3.50	12.4	3.13	6	6.50	7.54	8.7
HM77- 24006LF	4.70	10.4	3.58	6	8.40	8.30	10.0
HM77- 25006LF	9.30	7.20	4.92	6	16	20.05	23.0
HM77- 26006LF	16.1	5.10	6.27	6	25.9	30.30	32
HM77- 27006LF	50	2.60	10.5	6	72.90	115	130
HM77- 28006LF	1070	0.71	54.4	6	1950	1480	1700
HM77- 29006LF	68	3.00	9.50	6	122	85	102

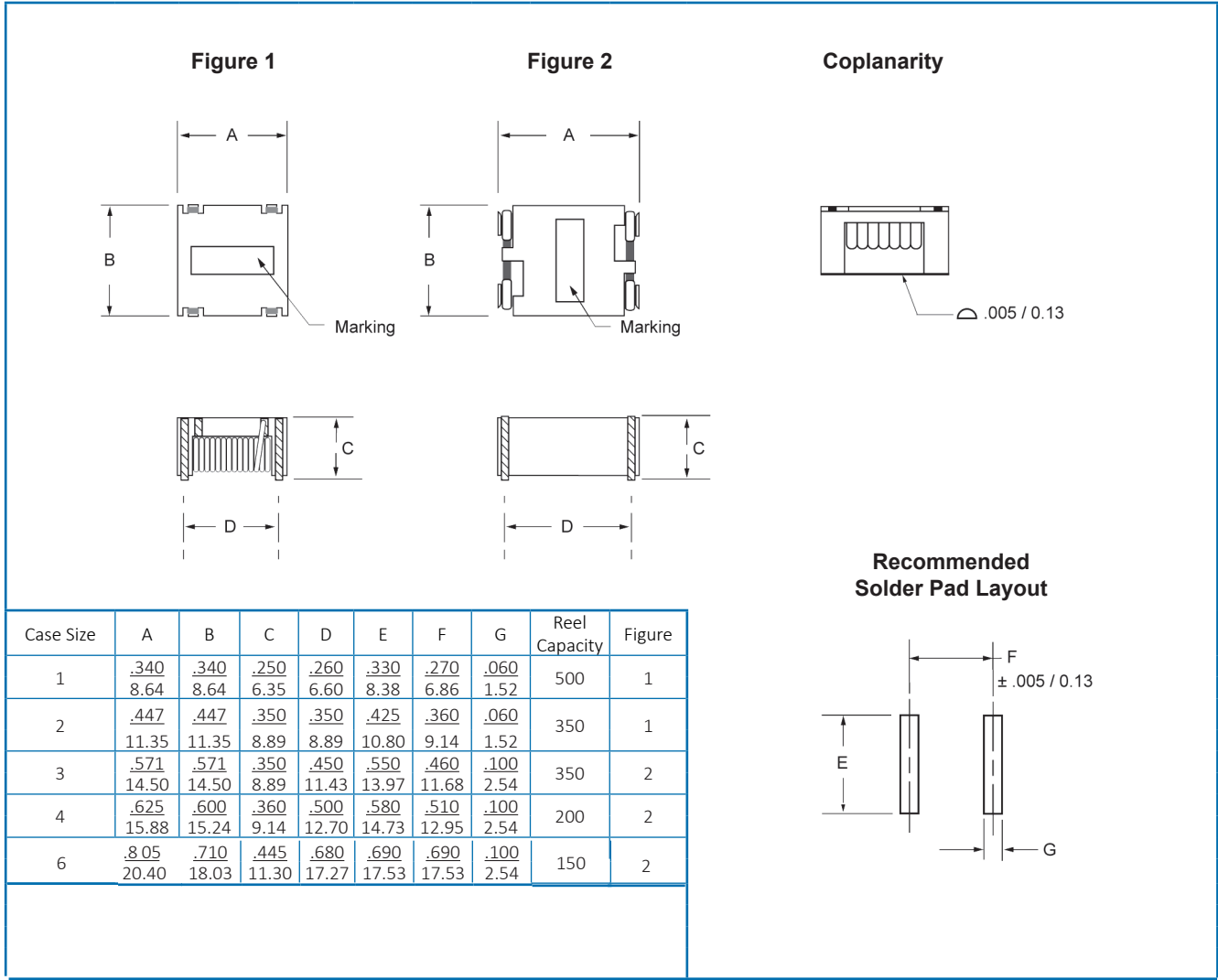
Notes: (1) Inductance values are rated at -40°C to +130°C operating temperature range with rated DC current flowing and the operating $E_{T_{op}}$ across the inductor.
(2) $E_{T_{op}}$ is rated at 500 kHz.
(3) The control values of inductance are measured at the operating flux density equal or less than 10 gauss and without DC current.

General Note

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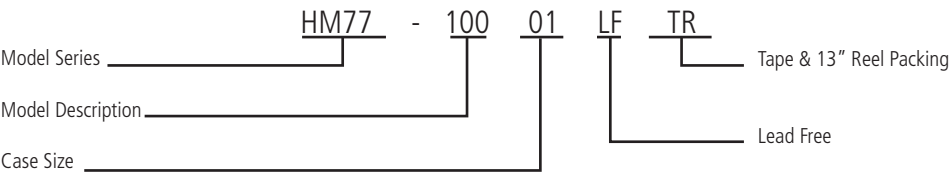
Model HM77

Outline Dimensions (Inch/mm) / Packaging



Notes: (1) For case size 1 to 6, the reel capacity is for part number ending with suffix 'LFTR'.

Ordering Information



General Note

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