

PM-HIL00 Inductors are typically used in high current applications that require a high energy capable, small size component, that can sustain large peak to peak currents, or where inductance stability is paramount.

- Small size.
- High current.
- Temperature stable.
- 180°C temperature rating.

Figure 1: SCHEMATIC

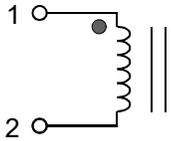


Figure 2: MECHANICAL SPECIFICATIONS (mm)

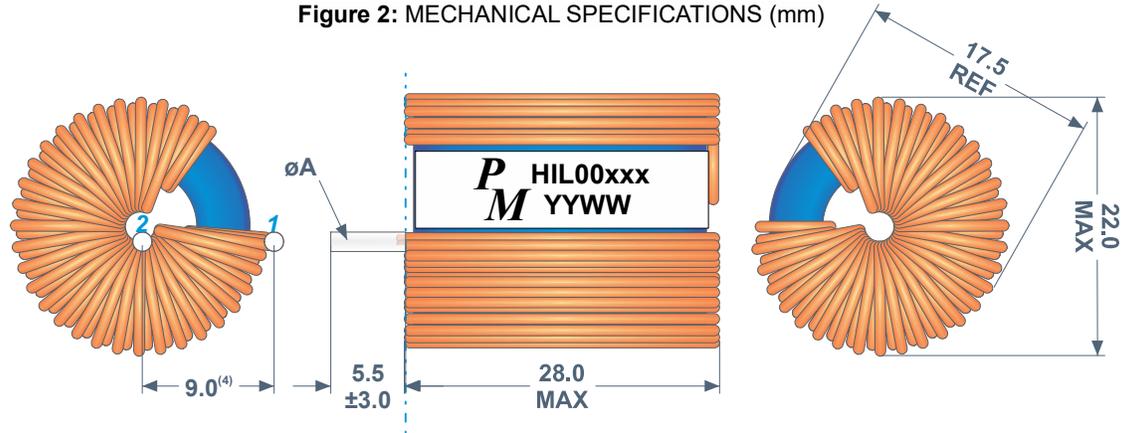


Table 1: ELECTRICAL SPECIFICATIONS 25°C

PART NUMBER	L ±13% (µH)	I _{pk} (A)	DCR MAX (mΩ)	SRF (MHZ)	A MAX (mm)
PM-HIL001R2	1.2	400	0.5	60	4.2
PM-HIL002R2	2.2	225	1.0	50	3.8
PM-HIL003R4	3.4	145	1.5	50	3.5
PM-HIL004R9	4.9	100	2.3	40	3.0
PM-HIL006R6	6.6	74	3.0	40	3.0
PM-HIL008R6	8.6	58	3.7	38	2.5
PM-HIL00110	11	45	4.3	24	2.5
PM-HIL00230	23	22	6.5	18	2.5
PM-HIL00340	34	14	14	15	2.5
PM-HIL00490	49	10	20	15	2.0
PM-HIL00540	54	9.0	23	10	2.0
PM-HIL00660	66	7.5	29	10	1.5
PM-HIL00780	78	6.5	34	8	1.5
PM-HIL00860	86	6.0	42	8	1.5
PM-HIL00920	92	5.5	44	5	1.3
PM-HIL00101	100	5.0	45	1	1.3
PM-HIL00221	220	2.3	84	1	0.8
PM-HIL00341	340	1.5	130	1	0.7

NOTES:

- 1) I_{pk} is the instantaneous current that typically drops the inductance by 25%.
- 2) SRF values are typical.
- 3) Operating temperature range -60°C to +180°C.
- 4) Pin position is formable.
- 5) All units comply with EU RoHS Directive requirements.
- 6) All units comply with REACH Regulation requirements.