

PM-R3 DRUM INDUCTORS

PM-R Inductors are typically used in EMI filters and switch mode power supplies. They are optimal in projects that need a low cost solution.

- Small size to fit in tight spaces.
- High current, high energy capable.
- Low resistance for low temperature rise.

Figure 1: SCHEMATIC

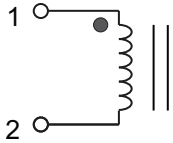


Figure 2: MECHANICAL SPECIFICATIONS (mm)

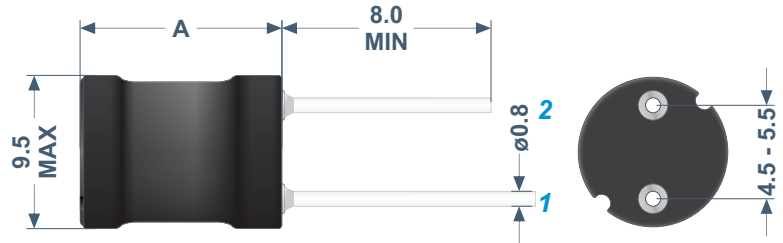


Table 1: ELECTRICAL SPECIFICATIONS 25°C

PART NUMBER	L $\pm 10\%$ ⁵ (μH)	Ipk (A)	DCR MAX (Ω)	SRF (MHZ)	A MAX (mm)
PM-R301R0	1.0	25.3	0.006	10	12.5
PM-R302R2	2.2	17.0	0.008	10	12.5
PM-R303R3	3.3	13.8	0.009	10	12.5
PM-R304R7	4.7	11.6	0.01	10	12.5
PM-R306R8	6.8	9.70	0.02	8.0	12.5
PM-R308R2	8.2	8.85	0.02	8.0	12.5
PM-R30100	10	8.00	0.03	8.0	12.5
PM-R30220	22	5.40	0.05	6.0	12.0
PM-R30330	33	4.40	0.08	6.0	12.0
PM-R30470	47	3.68	0.11	6.0	12.0
PM-R30680	68	3.05	0.14	5.0	12.0
PM-R30820	82	2.79	0.18	5.0	12.0
PM-R30101	100	2.53	0.2	4.8	11.5
PM-R30221	220	1.72	0.4	3.0	11.5
PM-R30331	330	1.39	0.6	3.0	11.5
PM-R30471	470	1.15	0.8	2.3	11.5
PM-R30681	680	0.95	1.1	2.0	11.5
PM-R30821	820	0.87	1.4	1.8	11.5
PM-R30102	1,000	0.80	1.9	1.5	11.5
PM-R30222	2,200	0.56	3.6	1.0	11.5
PM-R30332	3,300	0.44	5.6	0.8	11.5
PM-R30472	4,700	0.36	7.6	0.5	11.5
PM-R30682	6,800	0.31	12.0	0.5	11.5
PM-R30822	8,200	0.28	14.5	0.5	11.5
PM-R30103	10,000	0.26	17.0	0.5	11.5

NOTES:

- 1) Ipk is the instantaneous current that typically drops the inductance by 30%.
- 2) SRF values are typical.
- 3) Operating temperature range -40°C to (see "Y" in note #4).
- 4) Part Number **PM-R3XYYY**
X: 0= sleeving (+125°C); 9= without sleeving (+155°C)
Y: Inductance (digit-digit-zeroes; R indicates decimal point and nulls zeroes)
- 5) Inductances <33 μH have $\pm 15\%$ tolerance

Figure 3: REF.

