

APZ-P Series

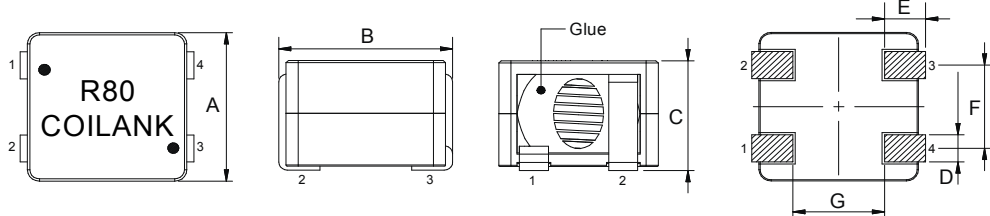
Features

- Very low RDC.
- High current, low magnetic loss.
- Low inductance drift over temperature.
- Coupled inductor with two identical windings.
- More variants due to parallel and series connection possible.

Test Conditions

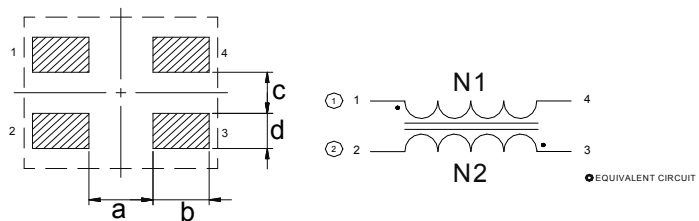
- All test data is referenced to 25°C ambient.
 - Operating temperature range -40°C to +125°C.(Including self - temperature rise)
 - Isat :DC current(A) that will cause Io to drop approximately 30%.
 - Irms :DC current(A) that will cause an approximate ΔT of 40°C.
 - The part temperature(ambient + temp rise)should not exceed 125°C under worst case operating conditions.
- Circuit design,component placement, PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature,part temperature should be verified in the end application.

External Dimensions (Unit:mm)



TYPE	A	B(Max)	C (Max)	D (Ref)	E(Ref)	F (Ref)	G (Ref)	Q'TY/Reel
APZ1310P	13.2±0.3	15.5	10.5	2.4	3.2	7.4	7.6	300
APZ1312P	13.2±0.3	15.5	12.5	2.4	3.2	7.4	7.6	200
APZ1813P	18.5±0.3	21	13.5	3.0	3.0	10.8	12.8	150

a(Typ)	b(Typ)	c(Typ)	d(Typ)
5.7	5.0	4.0	3.4
5.7	5.0	4.0	3.4
11.0	5.0	6.8	4.0



Part Number Code

APZ	13	R80	10	M	P
Series Name	Dimensions: L*W	Inductance	Dimensions: H	Tolerance M:20%	Materials

APZ-P Series

Part Number	Inductance (μ H) @100KHz/0.1V	DC Resistance (m Ω) Max.	Heat Rating Current Irms (A)Max.	Saturation Current Isat (A)Typ.
APZ1310MR80P	0.8	1.76	28	62
APZ1310M1R2P	1.2	2.64	23	47
APZ1310M1R7P	1.7	3.63	21	39
APZ1310M2R2P	2.2	4.62	18	35
APZ1310M2R9P	2.9	6.16	17	29
APZ1310M3R5P	3.5	8.25	14	27
APZ1310M4R4P	4.4	10.56	12	24
APZ1312M6R8P	6.8	12.43	14	16
APZ1312M8R2P	8.2	14.3	13.5	14
APZ1312M100P	10	15.29	13	13.5
APZ1813M6R8P	6.8	6.71	13.5	26
APZ1813M8R2P	8.2	9.24	13	24
APZ1813M100P	10	12.1	11.5	22