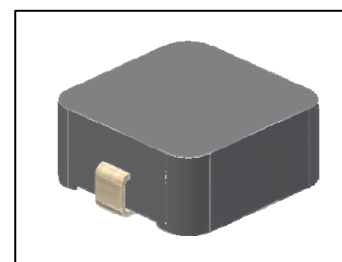


POWER CHOKE

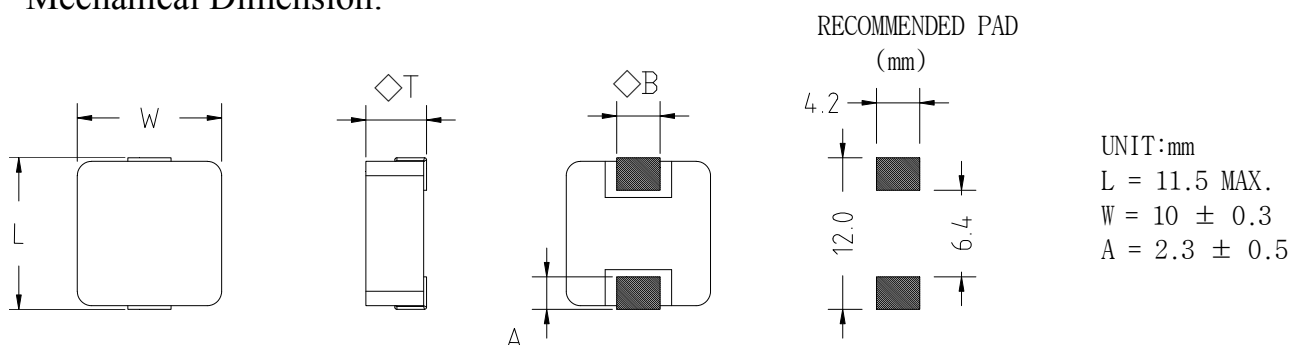
PRJ10X TYPE

Features

- High performance (Isat) realized by metal dust core.
- Performance low resistance , high current rating.
- Low loss realized with low DCR.
- Low core loss.
- 100% lead (pb) free meet ROHS standard.



Mechanical Dimension:



Electrical Characteristics: At 25°C : 100KHz, 0.25V

PART NO	Lo (μH)	DCR (mΩ) TYP.	DCR (mΩ) MAX.	HEAT RATING CURRENT (Adc) *2	SATURATION CURRENT (Adc) *3	Dimension "B" mm ± 0.5	Dimension "T" mm MAX.
PRJ104-R36ZMN	0.36	0.8	1.0	32	45	3.0	4.0
PRJ104-R36MN	0.36	1.1	1.2	30	40	3.0	4.0
PRJ104-R56MN	0.56	1.6	1.8	29	33	3.0	4.0
PRJ104-R88MN	0.88	2.2	2.4	27	29	3.0	4.0
PRJ104-1R0ZMN	1.00	2.2	2.5	25	27	3.0	4.0
PRJ104-1R0MN	1.00	3.0	3.3	22	25	3.0	4.0
PRJ104-1R5MN	1.50	3.8	4.2	17	18	3.0	4.0
PRJ104-2R2MN	2.20	6.6	7.0	12	18	2.0	4.0
PRJ104-3R3MN	3.30	11.0	13.0	11	14.5	2.0	4.0
PRJ1045-4R7MN	4.70	14.0	15.0	10	14	2.0	4.5

*1 : All test data is referenced to 25°C ambient.

*2 : Idc : DC current (A) that will cause an approximate ΔT of 40°C

*3 : Isat : DC current (A) that will cause LO to drop approximately 20%

*4 : Operating Temperature Range - 55°C to + 125°C

*5 : **The part temperature (ambient + temp rise) should not exceed 125°C under worse case**

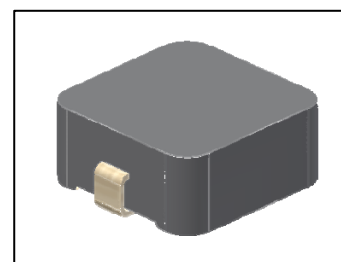
operating Conditions. Circuit design , component placement , PWB trace size and thickness , airflow and other Cooling provision all affect the part temperature. part temperature should be verified in The end application.

POWER CHOKE

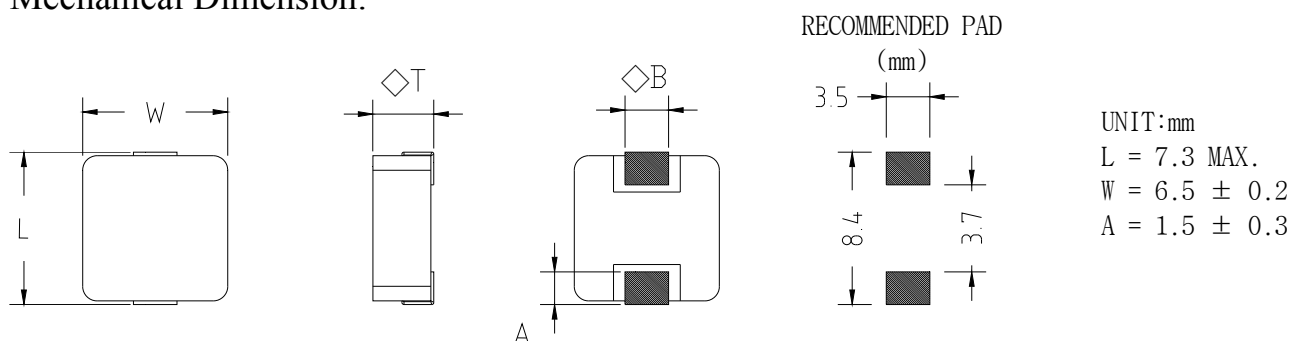
PRJ07X TYPE

Features

- High performance (Isat) realized by metal dust core.
- Performance low resistance , high current rating.
- Low loss realized with low DCR.
- Low core loss.
- 100% lead (pb) free meet ROHS standard.



Mechanical Dimension:



Electrical Characteristics: At 25°C : 100KHz, 0.25V

PART NO	Lo (μH)	DCR (mΩ) TYP.	DCR (mΩ) MAX.	HEAT RATING CURRENT (A _{dc}) *2	SATURATION CURRENT (A _{dc}) *3	Dimension "B" mm ± 0.5	Dimension "T" mm MAX.
PRJ073-R22MN	0.22	2.5	2.8	23.5	34	1.2	3.0
PRJ073-R33MN	0.33	3.5	3.9	18	25	1.2	3.0
PRJ073-R56MN	0.56	4.3	4.7	15	17	1.2	3.0
PRJ073-R68MN	0.68	4.8	5.3	16	19	1.2	3.0
PRJ073-R82MN	0.82	6.7	8.0	13	15	1.2	3.0
PRJ073-1R0MN	1.00	6.0	7.0	12	14	1.2	3.0
PRJ073-1R1MN	1.10	7.0	8.0	12	14	1.2	3.0
PRJ073-1R5MN	1.50	8.5	10.0	11	13	1.2	3.0
PRJ073-2R2MN	2.20	18.0	20.0	7	11	1.2	3.0
PRJ073-3R3MN	3.30	21.0	23.0	7	10	1.2	3.0
PRJ073-4R7MN	4.70	32.0	34.0	6	7	1.2	3.0
PRJ073-10RMN	10.00	68.4	75.6	3.5	4.5	1.2	3.0
PRJ0735-10RMN	10.00	75.0	78.0	3.5	4.5	1.2	3.5
PRJ074-1R5MN	1.50	8.5	10.0	9	13	1.2	4.0
PRJ074-4R7MN	4.70	24.0	26.0	5	6	1.2	4.0

*1 : All test data is referenced to 25°C ambient.

*2 : I_{dc} : DC current (A) that will cause an approximate ΔT of 40°C

*3 : Isat : DC current (A) that will cause LO to drop approximately 20%

*4 : Operating Temperature Range – 55°C to + 125°C

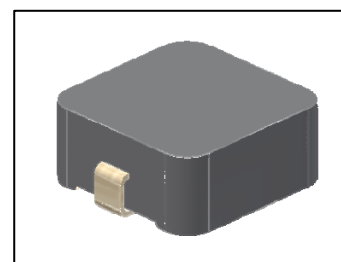
*5 : **The part temperature (ambient + temp rise) should not exceed 125°C under worse case operating Conditions.** Circuit design , component placement , PWB trace size and thickness , airflow and other Cooling provision all affect the part temperature. part temperature should be verified in The end application.

POWER CHOKE

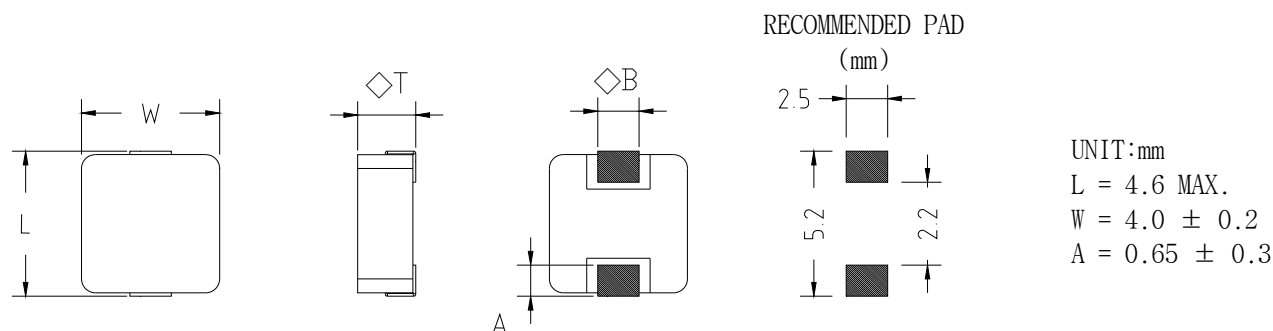
PRJ042 TYPE

Features

- High performance (Isat) realized by metal dust core.
- Performance low resistance , high current rating.
- Low loss realized with low DCR.
- Low core loss.
- 100% lead (pb) free meet ROHS standard.



Mechanical Dimension:



Electrical Characteristics: At 25°C : 100KHz, 0.25V

PART NO	Lo (μH)	DCR (mΩ) TYP.	DCR (mΩ) MAX.	HEAT RATING CURRENT (A _{dc}) *2	SATURATION CURRENT (A _{dc}) *3	◆ Dimension "B" mm ± 0.5	◆ Dimension "T" mm MAX.
PRJ042-R56MN	0.56	12.3	15	7	8	0.8	2.0
PRJ042-R68MN	0.68	13.5	17	6.3	7	0.8	2.0
PRJ042-R82MN	0.82	15.6	18.0	5.5	6.5	0.8	2.0
PRJ042-1R0MN	1.00	18.23	21.5	5	6	0.8	2.0
PRJ042-1R2MN	1.20	19.0	22	4	5	0.8	2.0
PRJ042-1R5MN	1.50	25.4	29.0	5	4	0.8	2.0

*1 : All test data is referenced to 25°C ambient.

*2 : I_{dc} : DC current (A) that will cause an approximate ΔT of 40°C

*3 : I_{sat} : DC current (A) that will cause LO to drop approximately 20%

*4 : Operating Temperature Range – 55°C to + 125°C

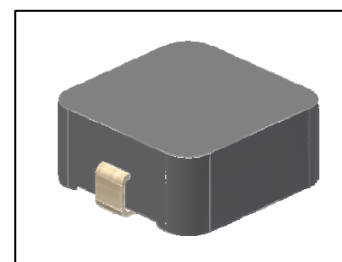
*5 : **The part temperature (ambient + temp rise) should not exceed 125°C under worse case operating Conditions.** Circuit design , component placement , PWB trace size and thickness , airflow and other Cooling provision all affect the part temperature. part temperature should be verified in The end application.

POWER CHOKE

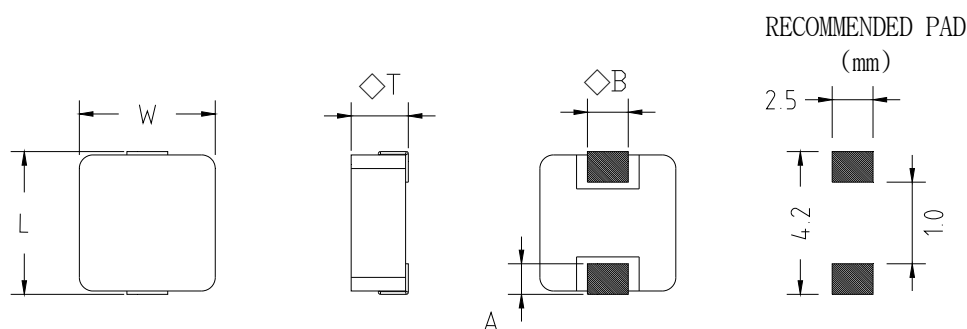
PRJ032 TYPE

Features

- High performance (Isat) realized by metal dust core.
- Performance low resistance , high current rating.
- Low loss realized with low DCR.
- Low core loss.
- 100% lead (pb) free meet ROHS standard.



Mechanical Dimension:



UNIT:mm
 L = 3.6 MAX.
 W = 3.0 ± 0.2
 A = 0.8 ± 0.3

Electrical Characteristics: At 25°C : 100KHz, 0.25V

PART NO	Lo (μH)	DCR (mΩ) TYP.	DCR (mΩ) MAX.	HEAT RATING CURRENT (A _{dc}) *2	SATURATION CURRENT (A _{dc}) *3	◆ Dimension "B" mm ± 0.5	◆ Dimension "T" mm MAX.
PRJ032-1R0MN	1.0	23.2	27	4.5	4.5	0.6	2.0

*1 : All test data is referenced to 25°C ambient.

*2 : I_{dc} : DC current (A) that will cause an approximate ΔT of 40°C

*3 : I_{sat} : DC current (A) that will cause LO to drop approximately 20%

*4 : Operating Temperature Range — 55°C to + 125°C

*5 : **The part temperature (ambient + temp rise) should not exceed 125°C under worse case operating Conditions.** Circuit design , component placement , PWB trace size and thickness , airflow and other Cooling provision all affect the part temperature. part temperature should be verified in The end application.