

APPLICATIONS

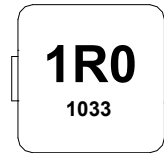
- ◆ Notebook / Desktop applications
- ◆ PDA / VGA Card applications
- ◆ DC-DC Converter applications
- ◆ Low profile , high current power supplies

Marking and Date code:

Marking ex:1.0(μ H) $\rightarrow$ 1R0

Date code

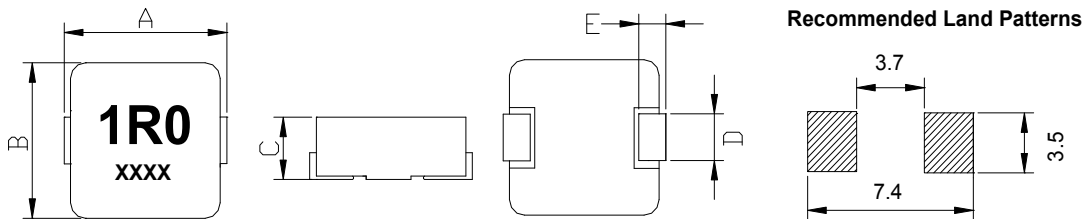
xx xx $\rightarrow$ year and weekly



ex:1033

DIMENSIONS (mm)

Part No.	A	B	C	D	E
JRPI 0603M	7.3 Max	6.6 $\pm$ 0.2	3.0 Max	3.0 $\pm$ 0.3	1.6 $\pm$ 0.3



SERIES LIST

No.	Part No.	L (μ H)	RDC (m Ω) Typ. (m Ω) Max.		I sat (A) Typ.	I rms (A) Typ.
1	JRPI 0603M-R22M	0.22 $\pm$ 20%	2.5	2.8	40.0	23.0
2	JRPI 0603M-R33M	0.33 $\pm$ 20%	3.5	3.9	30.0	20.0
3	JRPI 0603M-R47M	0.47 $\pm$ 20%	4.0	4.20	26.0	17.5
4	JRPI 0603M-R56M	0.56 $\pm$ 20%	4.7	5.0	25.5	16.5
5	JRPI 0603M-R68M	0.68 $\pm$ 20%	5.0	5.5	25.0	15.5
6	JRPI 0603M-R82M	0.82 $\pm$ 20%	6.7	8.0	20.0	13.0
7	JRPI 0603M-1R0M	1.0 $\pm$ 20%	9.0	10.0	20.0	11.0
8	JRPI 0603M-1R5M	1.5 $\pm$ 20%	14.0	15.0	16.0	9.0
9	JRPI 0603M-2R2M	2.2 $\pm$ 20%	17.0	20.0	12.0	8.0
10	JRPI 0603M-3R3M	3.3 $\pm$ 20%	28.0	30.0	10.0	6.0
11	JRPI 0603M-4R7M	4.7 $\pm$ 20%	37.0	40.0	7.0	5.5
12	JRPI 0603M-6R8M	6.8 $\pm$ 20%	54.0	60.0	6.5	4.5
13	JRPI 0603M-8R2M	8.2 $\pm$ 20%	54.0	60.0	6.0	4.5
14	JRPI 0603M-100M	10 $\pm$ 20%	62.0	68.0	5.5	4.0

Note:

1. Test frequency is 100KHz / 0.5Vdc
2. All test data referenced to 25°C ambient.
3. Operating Temperature Range -55°C to +125°C.
4. Isat : DC current(A) that will cause L0 to drop approximately 30%.
5. Irms : DC current(A) that will cause an approximate Δ T of 40°C.
6. 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.

PACKAGE

Type	JRPI 0603M
Q'TY/Reel	1000