

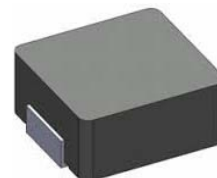


SHIELDED POWER INDUCTOR TLQJNC053U



Features:

- Shielded Power Inductor
- For High Power Conversion & Filtering Applications
- Operating Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +125°C



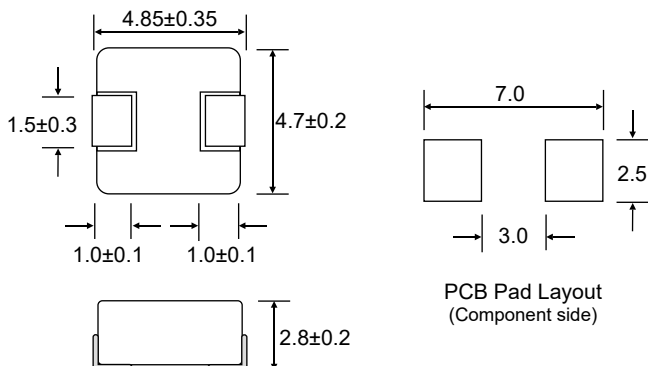
Electrical Specifications @25°C

Part Number	Inductance ($\mu\text{H} \pm 20\%$) @100kHz, 1V	Rated Current ⁽¹⁾ (ADC)	Saturation Current ⁽²⁾ (ADC)	DCR (m Ω Typ.)	DCR (m Ω Max.)
TLQJNC053U-R10M	0.1	32	34	2	2.5
TLQJNC053U-R12M	0.12	30	32	2.2	2.6
TLQJNC053U-R20M	0.2	21	14.5	3.5	3.9
TLQJNC053U-R35M	0.35	16.5	9	4.5	5
TLQJNC053U-R47M	0.47	13	12	7.4	8.5
TLQJNC053U-R68M	0.68	8.5	14	11	12
TLQJNC053U-1R0M	1	7	11	13	14
TLQJNC053U-1R2M	1.2	6.5	11	15	16
TLQJNC053U-1R5M	1.5	6	10	20	25
TLQJNC053U-2R2M	2.2	5.5	9	29	35
TLQJNC053U-3R3M	3.3	5	7	32	38
TLQJNC053U-4R7M	4.7	4	5	50	60
TLQJNC053U-6R8M	6.8	3	3.5	96	110

(1) Current will cause temperature rise of 40°C.

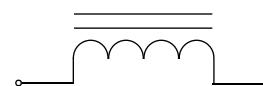
(2) Current that will cause 30% inductance drop from its initial value.

Dimensions



All Dimensions are in mm.

Schematic



Part Numbering

TLQJNC053U-1R2 M D

Inductor Series Inductance Code Tolerance Code Packaging Code

- Resistance to Solder Heat: 260°C Peak (Reflow)
- Ordering Information:
TLQJNC053U-xxxMD - 330mm reel (700pcs./reel)
TLQJNC053U-xxxMB - Bulk