

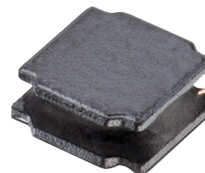


# SHIELDED POWER INDUCTOR TLQTU041H



## Features:

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



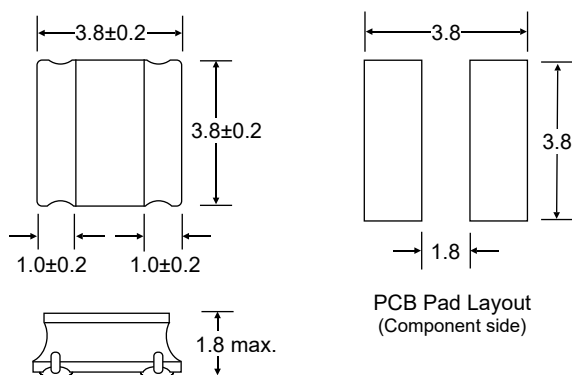
## Electrical Specifications @25°C

Part Number	Inductance ( $\mu\text{H} \pm 20\%$ ) @100kHz, 1V	Rated Current <sup>(1)</sup> (ADC Typ.)	Rated Current <sup>(1)</sup> (ADC Max.)	Saturation Current <sup>(2)</sup> (ADC Typ.)	Saturation Current <sup>(2)</sup> (ADC Max.)	DCR (m $\Omega$ Typ.)	DCR (m $\Omega$ Max.)
TLQTU041H-R56M	0.56	5.4	4.86	5.5	4.95	17	22
TLQTU041H-1R0M	1	3.8	3.42	3.8	3.42	20	25
TLQTU041H-1R2M	1.2	3.6	3.24	3.6	3.24	25	30
TLQTU041H-1R5M	1.5	3.2	2.88	3.5	3.15	33	40
TLQTU041H-1R8M	1.8	3.1	2.79	3.1	2.79	34	41
TLQTU041H-2R2M	2.2	3	2.7	3	2.7	35	45
TLQTU041H-3R3M	3.3	2.7	2.43	2.4	2.16	45	56
TLQTU041H-4R7M	4.7	2.2	1.98	2	1.8	70	90
TLQTU041H-6R8M	6.8	1.9	1.71	1.7	1.53	90	115
TLQTU041H-8R2M	8.2	1.5	1.35	1.6	1.44	105	132
TLQTU041H-100M	10	1.4	1.26	1.55	1.4	135	170
TLQTU041H-150M	15	1.25	1.12	1	0.9	185	222
TLQTU041H-220M	22	1.2	1.08	0.83	0.74	250	315
TLQTU041H-330M	33	0.9	0.81	0.68	0.61	405	486
TLQTU041H-470M	47	0.8	0.72	0.56	0.5	495	594
TLQTU041H-680M	68	0.58	0.52	0.48	0.43	885	1062
TLQTU041H-101M	100	0.42	0.37	0.45	0.4	1545	1854
TLQTU041H-221M	220	0.3	0.27	0.33	0.3	3150	3780
TLQTU041H-331M	330	0.27	0.24	0.25	0.22	4200	5040

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

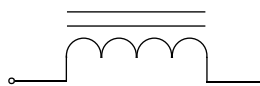
(2) Current that will cause 30% inductance drop from its initial value.

## Dimensions

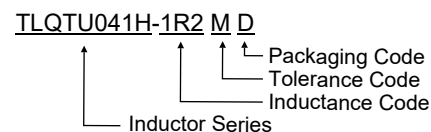


All Dimensions are in mm.

## Schematic



## Part Numbering



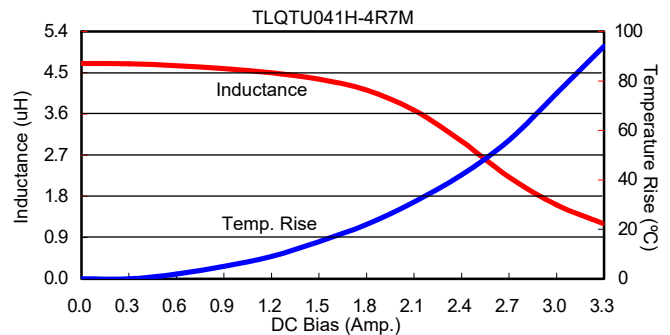
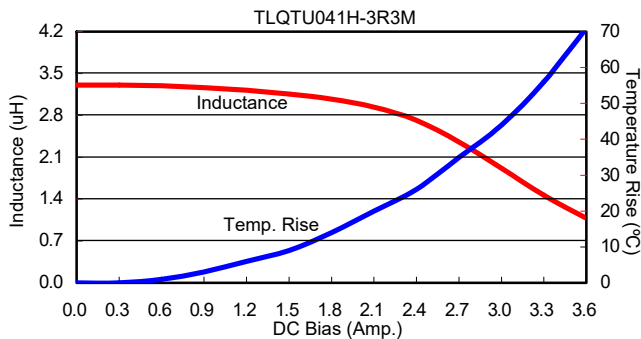
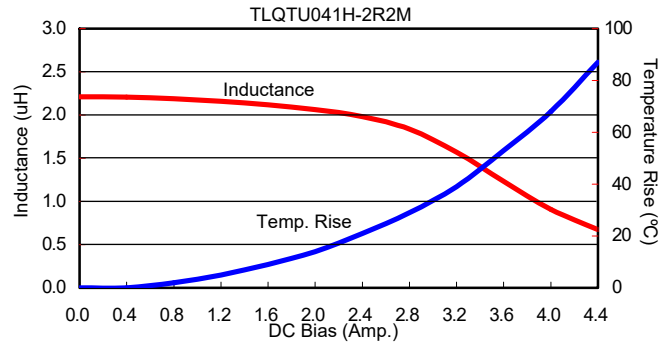
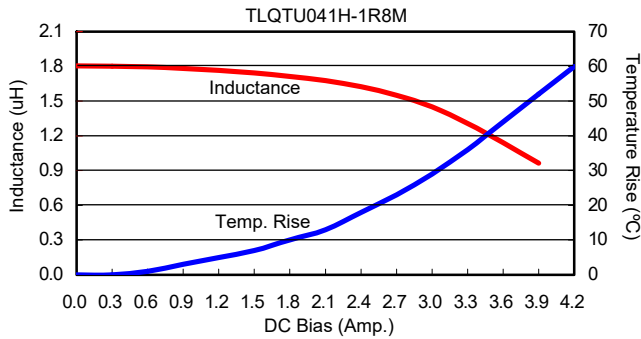
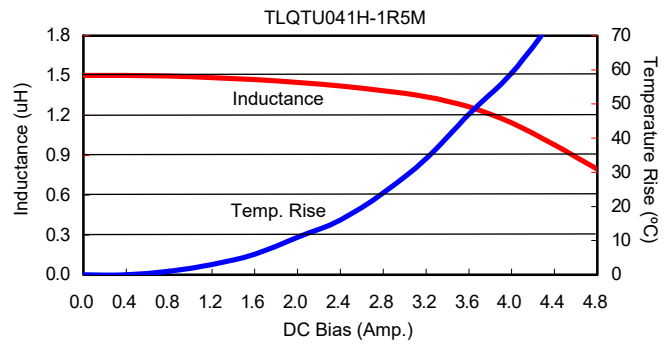
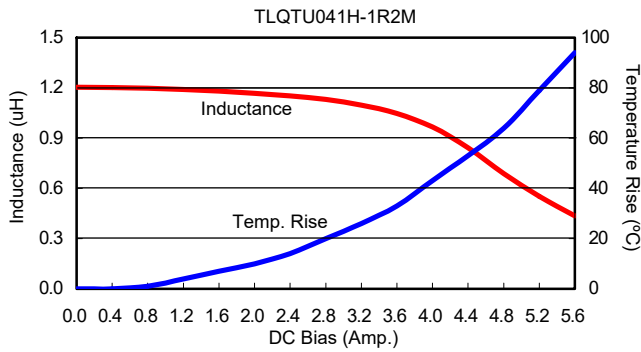
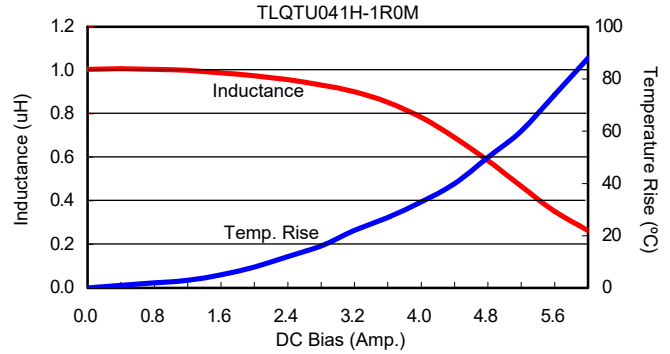
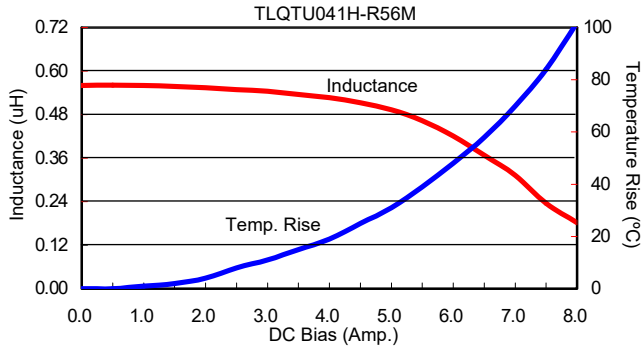
- Resistance to Solder Heat: 260°C Peak (Reflow)
- Ordering Information:  
TLQTU041H-xxxMD - 330mm reel (700pcs./reel)  
TLQTU041H-xxxMB - Bulk



# SHIELDED POWER INDUCTOR TLQTU041H



## Inductance-Temp. Rise-DC Bias Characteristic

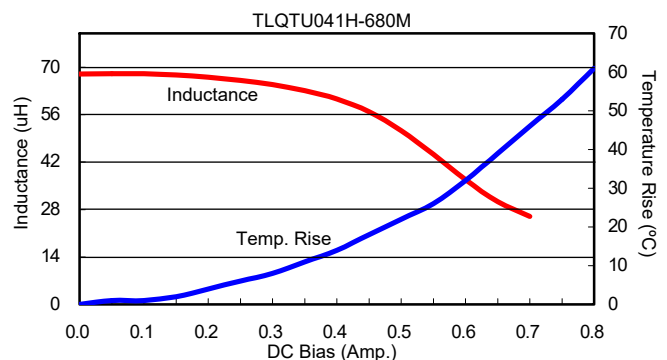
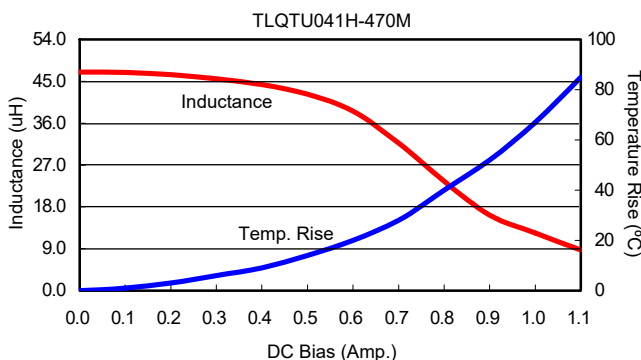
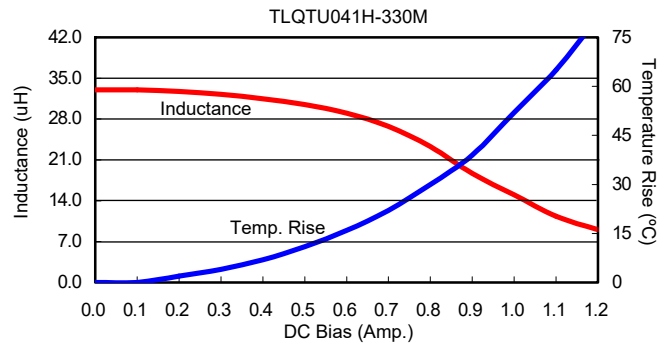
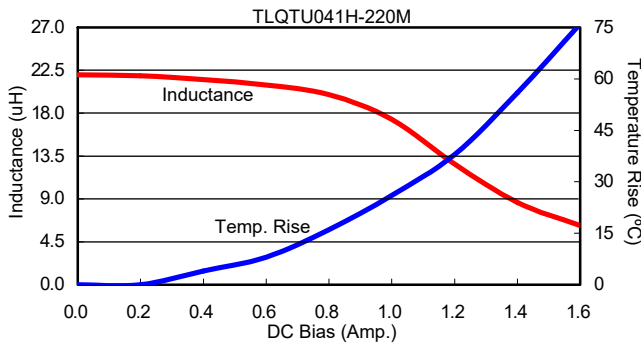
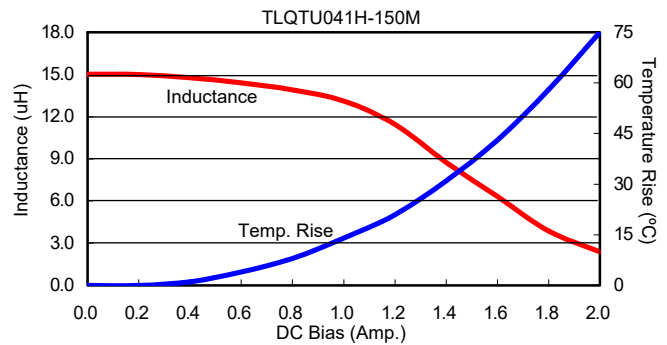
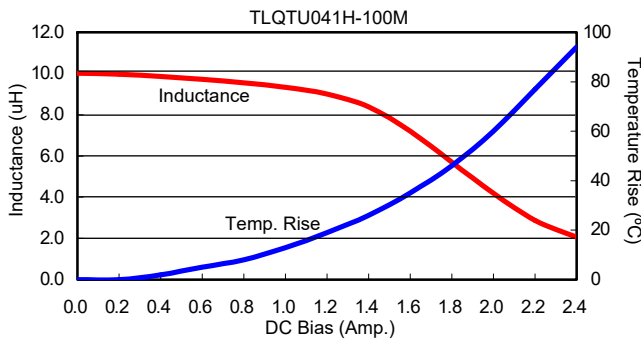
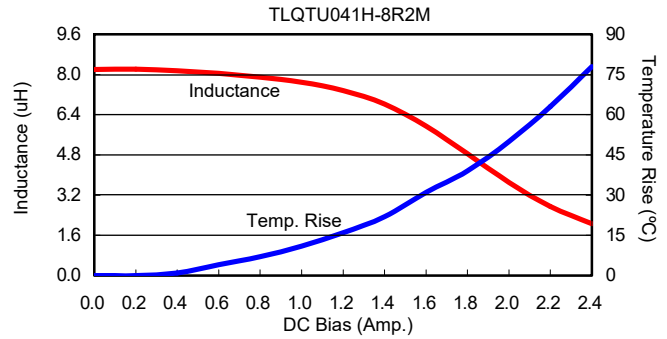
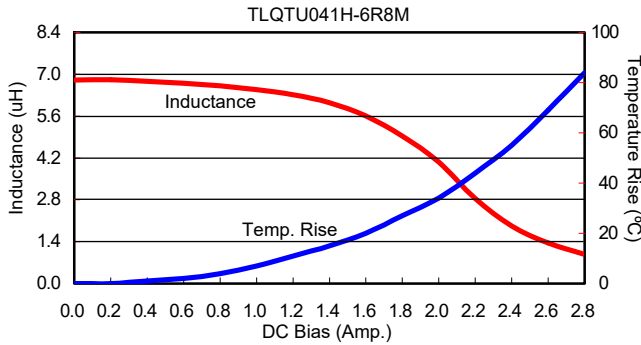




# SHIELDED POWER INDUCTOR TLQTU041H



## Inductance-Temp. Rise-DC Bias Characteristic





# SHIELDED POWER INDUCTOR TLQTU041H



## Inductance-Temp. Rise-DC Bias Characteristic

