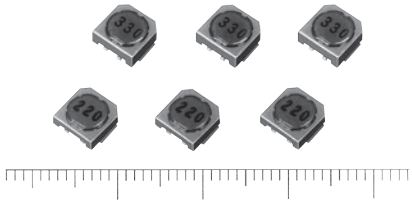
Power Inductors / Wire Wound type

Series : **H**
Type : **ELL6RH**
ELL6SH
ELL6UH



Features

- Thin (height 2.5 mm, 3.0 mm)
- Higher reliability in mounting by separating the user terminal and internal connection.
- Large current capability
- RoHS compliant

Recommended Applications

- Audiovisual equipment, Small portable device, DC/DC converter circuit for amusement machine

Cautionary Notes Regarding Usage in DC/DC converters

- Maximum Dissipation of 1 W.
- Maximum case temperature of 105 °C (Ambient & self-heating temperature)

Standard Packing Quantity

- 1,000 pcs./reel

■ As for Soldering Conditions and Safety Precautions,

Please see Data Files

Explanation of Part Numbers

1	2	3	4	5	6	7	8	9	10	11
E	L	L	6	S	H	2	2	0	M	
Product Code			Outer size	Height	Structure	Inductance			Tolerance	Design No.

ELL	Choke Coil (Magnetic shielded type)

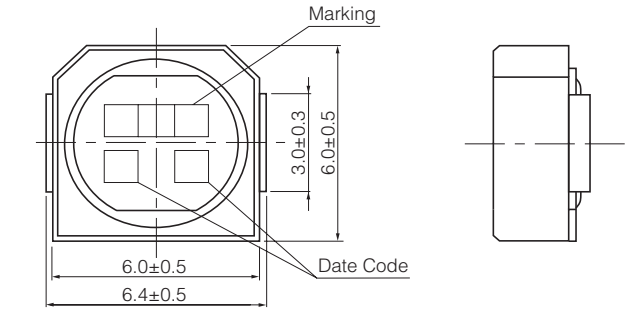
R	2.8 max.
S	3.3 max.
U	5.0 max.

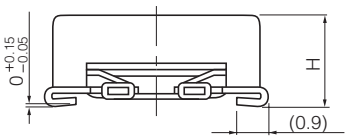
H	Series

2R2 → 2.2 μH
221 → 220 μH

M → ±20 %

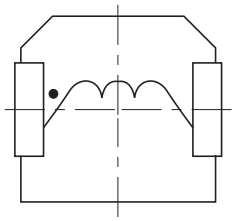
Dimensions in mm (not to scale)



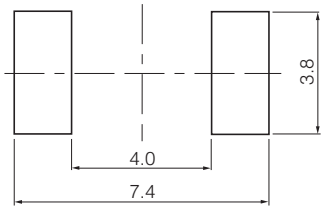


Type	H
ELL6RH	2.5 mm±0.3 mm
ELL6SH	3.0 mm±0.3 mm
ELL6UH	5.0 mm max.

Connections (Top view)



Recommended land patterns in mm (not to scale)



Standard Parts

Part No.	Inductance (μH) at 100 kHz Tol. ±20 %	R_{DC} (mΩ) at 20 °C Tol. ±20 %		Rated Current* (mA) max.		Marking
		6RH	6SH	6RH	6SH	
ELL6□H1R0M	1.0	19	19	3000	3400	1R0
ELL6□H1R5M	1.5	24	24	2400	3200	1R5
ELL6□H2R0M	2.0	—	26	—	2600	2R0
ELL6□H2R2M	2.2	30	—	2300	—	2R2
ELL6□H2R7M	2.7	39	31	1800	2400	2R7
ELL6□H3R3M	3.3	44	34	1600	2200	3R3
ELL6□H4R7M	4.7	49	42	1580	2000	4R7
ELL6□H5R1M	5.1	56	—	1550	—	5R1
ELL6□H5R6M	5.6	—	49	—	1800	5R6
ELL6□H6R2M	6.2	62	—	1400	—	6R2
ELL6□H6R8M	6.8	—	52	—	1500	6R8
ELL6□H7R5M	7.5	80	—	1250	—	7R5
ELL6□H8R2M	8.2	87	61	1200	1400	8R2
ELL6□H100M	10.0	95	65	1100	1300	100
ELL6□H120M	12.0	130	71	1000	1200	120
ELL6□H150M	15.0	150	96	850	1100	150
ELL6□H180M	18.0	170	130	800	1000	180
ELL6□H220M	22.0	220	140	700	900	220
ELL6□H270M	27.0	260	160	650	800	270
ELL6□H330M	33.0	380	180	600	700	330
ELL6□H390M	39.0	410	240	550	650	390
ELL6□H470M	47.0	480	270	500	600	470
ELL6□H560M	56.0	540	290	450	550	560
ELL6□H680M	68.0	770	520	400	500	680
ELL6□H820M	82.0	870	600	350	450	820
ELL6□H101M	100.0	1000	680	300	400	101
ELL6□H121M	120.0	1500	750	280	370	121
ELL6□H151M	150.0	1800	860	250	350	151
ELL6□H181M	180.0	2000	1300	230	300	181
ELL6□H221M	220.0	2300	1400	200	280	221
ELL6□H271M	270.0	—	2400	—	260	271
ELL6□H331M	330.0	—	2700	—	240	331
ELL6□H391M	390.0	—	2800	—	210	391
ELL6□H471M	470.0	—	3200	—	200	471
ELL6□H561M	560.0	—	3700	—	180	561
ELL6□H681M	680.0	—	4300	—	160	681

* Current : This indicates the value of current when the inductance is 80% of nominal value or when the case temperature has risen 45 °C.

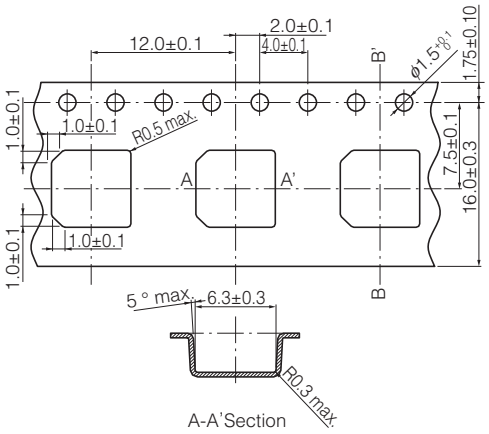
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.
Should a safety concern arise regarding this product, please be sure to contact us immediately.

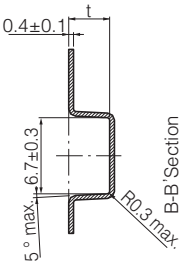
Standard Parts

Part No.	Inductance (μH) at 100 kHz Tol. ±20 %	RDC (mΩ) at 20 °C Tol. ±20 %	Rated Current* (mA) max.	Marking
ELL6UH100M	10.0	63	1800	100
ELL6UH120M	12.0	71	1700	120
ELL6UH150M	15.0	79	1600	150
ELL6UH180M	18.0	88	1400	180
ELL6UH220M	22.0	98	1300	220
ELL6UH270M	27.0	110	1200	270
ELL6UH330M	33.0	130	1100	330
ELL6UH390M	39.0	150	1000	390
ELL6UH470M	47.0	160	900	470
ELL6UH560M	56.0	210	800	560
ELL6UH680M	68.0	230	700	680
ELL6UH820M	82.0	260	650	820
ELL6UH101M	100.0	360	600	101
ELL6UH121M	120.0	480	580	121
ELL6UH151M	150.0	680	500	151
ELL6UH181M	180.0	750	470	181
ELL6UH221M	220.0	840	410	221
ELL6UH271M	270.0	1200	370	271
ELL6UH331M	330.0	1360	330	331
ELL6UH391M	390.0	1500	300	391
ELL6UH471M	470.0	1680	270	471
ELL6UH561M	560.0	2530	260	561
ELL6UH681M	680.0	2830	240	681
ELL6UH821M	820.0	3140	200	821
ELL6UH102M	1000.0	3670	180	102

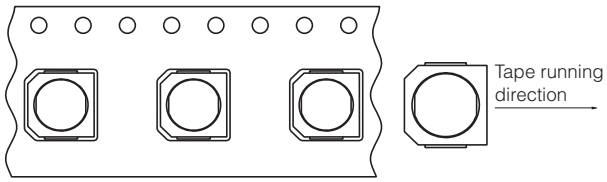
✻ Current : This indicates the value of current when the inductance is 70% of nominal value or when the case temperature has risen 45 °C.

Embossed Carrier Tape Dimensions in mm (not to scale)





Type	t
ELL6RH	2.9±0.3
ELL6SH	3.4±0.3
ELL6UH	5.0±0.3



Quantity 1,000 pcs./reel

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Panasonic:

ELL-6SH5R6M ELL-6SH4R7M ELL-6RH150M ELL-6SH470M ELL-6UH470M ELL-6RH100M ELL-6RH1R0M ELL-6RH1R5M ELL-6RH220M ELL-6RH2R7M ELL-6RH3R3M ELL-6RH6R2M ELL-6SH100M ELL-6SH101M ELL-6SH181M ELL-6SH1R0M ELL-6SH220M ELL-6SH330M ELL-6SH471M ELL-6RH101M ELL-6RH120M ELL-6RH121M ELL-6RH151M ELL-6RH180M ELL-6RH181M ELL-6RH221M ELL-6RH270M ELL-6RH330M ELL-6RH390M ELL-6RH560M ELL-6RH5R1M ELL-6RH680M ELL-6RH7R5M ELL-6RH8R2M ELL-6SH120M ELL-6SH121M ELL-6SH150M ELL-6SH151M ELL-6SH180M ELL-6SH1R5M ELL-6SH221M ELL-6SH270M ELL-6SH271M ELL-6SH2R7M ELL-6SH331M ELL-6SH390M ELL-6SH391M ELL-6SH560M ELL-6SH561M ELL-6SH680M ELL-6SH681M ELL-6SH6R8M ELL-6SH820M ELL-6SH8R2M ELL-6UH100M ELL-6UH101M ELL-6UH102M ELL-6UH120M ELL-6UH121M ELL-6UH150M ELL-6UH151M ELL-6UH180M ELL-6UH181M ELL-6UH220M ELL-6UH221M ELL-6UH270M ELL-6UH271M ELL-6UH330M ELL-6UH331M ELL-6UH390M ELL-6UH391M ELL-6UH471M ELL-6UH560M ELL-6UH561M ELL-6UH680M ELL-6UH681M ELL-6UH820M ELL-6UH821M ELL-6RH470M ELL-6RH820M ELL-6SH3R3M

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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http://moschip.ru/get-element

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

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