6000B Series

Surface Mount Power Inductors

	SELECTION GUIDE	
60B334C	Order Code 0	
	60B473C	
	60B683C	
	60B104C	
	60B154C	
	60B224C	
	60B334C	
FEATURES	60B474C	
RoHS compliant ¹	60B684C	
Up to 10.5A loc	ABSOLUTE MAXIMUN	
■ 47µH to 680µH	Operating free air temp	
	Storage temperature ra	
High energy storage, very low resistance		
UL 94V-0 packaging materials	SOLDERING INFORMA Peak reflow solder tem	
J-STD-020D.1 reflow	Pin finish	

Custom inductance values available

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Murata Power Solutions

PRODUCT OVERVIEW

The 6000B series is a range of high-current, surface-mount power inductors. They are designed for use in power applications such as DC-DC converters, energy storage and input or output filtering. The products are supplied in tape and reel for high-volume, automated surface-mount assembly.

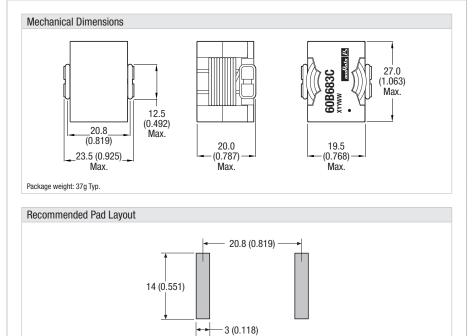
SELECTION GUIDE				
	Inductance, L	DC Current ²	SRF	DC Resistance
Order Code	0.1V@100KHz (±15%)	Max.	Тур.	Max.
	μH	Α	MHz	mΩ
60B473C	47	10.5	7.45	13
60B683C	68	9.0	6.07	17
60B104C	100	7.5	4.98	25
60B154C	150	6.0	3.90	38
60B224C	220	5.0	3.21	50
60B334C	330	4.0	2.66	80
60B474C	470	3.5	2.15	100
60B684C	680	3.0	1.59	135

ABSOLUTE MAXIMUM RATINGS

Operating free air temperature range	-40°C to 85°C
Storage temperature range	-40°C to 125°C

SOLDERING INFORMATION ¹	
Peak reflow solder temperature	245°C
Pin finish	Pure tin
Moisture sensitivity level ³	1

PACKAGE SPECIFICATIONS



All dimensions in mm (inches)

- Specifications typical at $\rm T_{A}{=}~25^{\circ}\rm C$
- 1 For further information, please visit www.murata-ps.com/rohs 2 The maximum DC current is the value at which the inductance falls to 75% of its nominal value or when its temperature rise reaches 40°C, whichever is sooner.
- 3 Representative samples of the product were subjected to the conditioning described in IPC/JEDEC J-STD-020D and passed electrical testing, package coplanarity and visual inspection which revealed no external cracks or changes in package body flatness.

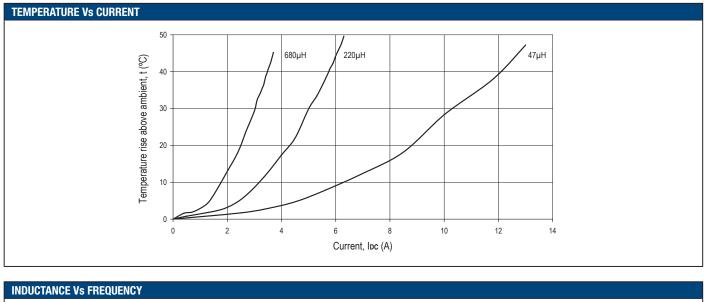


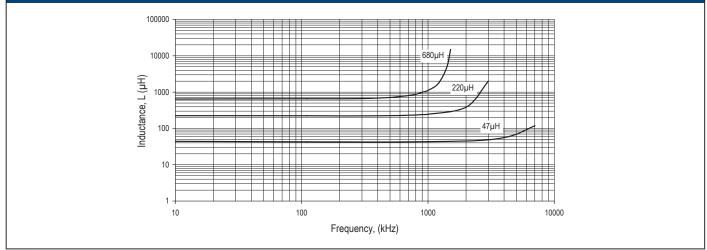
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6000B Series

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