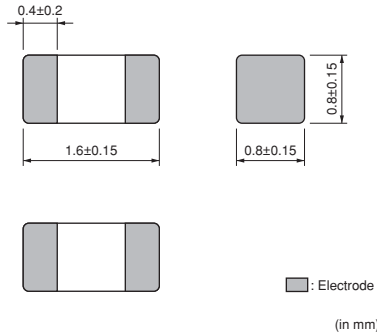


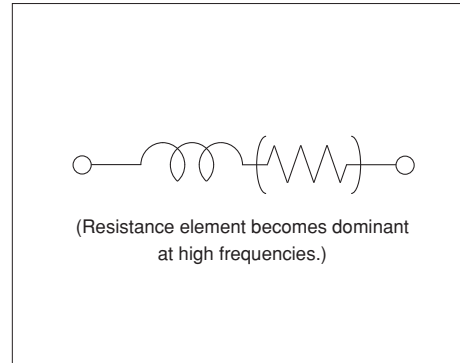
# For Automotive Chip Ferrite Bead for Automotive

## BLM18B Series (0603 Size)

### ■ Dimensions



### ■ Equivalent Circuit



### ■ Packaging

Code	Packaging	Minimum Quantity
D	180mm Paper Tape	4000
J	330mm Paper Tape	10000
B	Bulk(Bag)	1000

### ■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Impedance (at 1GHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range
BLM18BD470SH1□	47ohm ±25%	-	500mA	0.30ohm max.	-55 to +125°C
BLM18BD121SH1□	120ohm ±25%	-	200mA	0.40ohm max.	-55 to +125°C
BLM18BD151SH1□	150ohm ±25%	-	200mA	0.40ohm max.	-55 to +125°C
BLM18BD221SH1□	220ohm ±25%	-	200mA	0.45ohm max.	-55 to +125°C
BLM18BD331SH1□	330ohm ±25%	-	200mA	0.50ohm max.	-55 to +125°C
BLM18BD421SH1□	420ohm ±25%	-	200mA	0.55ohm max.	-55 to +125°C
BLM18BD471SH1□	470ohm ±25%	-	200mA	0.55ohm max.	-55 to +125°C
BLM18BD601SH1□	600ohm ±25%	-	200mA	0.65ohm max.	-55 to +125°C
BLM18BD102SH1□	1000ohm ±25%	-	100mA	0.85ohm max.	-55 to +125°C
BLM18BD152SH1□	1500ohm ±25%	-	50mA	1.20ohm max.	-55 to +125°C
BLM18BD182SH1□	1800ohm ±25%	-	50mA	1.50ohm max.	-55 to +125°C
BLM18BD222SH1□	2200ohm ±25%	-	50mA	1.50ohm max.	-55 to +125°C
BLM18BD252SH1□	2500ohm ±25%	-	50mA	1.50ohm max.	-55 to +125°C
BLM18BB050SH1□	5ohm ±25%	-	700mA	0.05ohm max.	-55 to +125°C
BLM18BB100SH1□	10ohm ±25%	-	700mA	0.10ohm max.	-55 to +125°C
BLM18BB220SH1□	22ohm ±25%	-	600mA	0.20ohm max.	-55 to +125°C
BLM18BB470SH1□	47ohm ±25%	-	550mA	0.25ohm max.	-55 to +125°C
BLM18BB600SH1□	60ohm ±25%	-	550mA	0.25ohm max.	-55 to +125°C
BLM18BB750SH1□	75ohm ±25%	-	500mA	0.30ohm max.	-55 to +125°C
BLM18BB121SH1□	120ohm ±25%	-	500mA	0.30ohm max.	-55 to +125°C
BLM18BB141SH1□	140ohm ±25%	-	450mA	0.35ohm max.	-55 to +125°C

Number of Circuits: 1

Continued on the following page.

● This data sheet is applied for CHIP FERRITE BEAD used for Automotive Electronics equipment for your design.

### ⚠ Note:

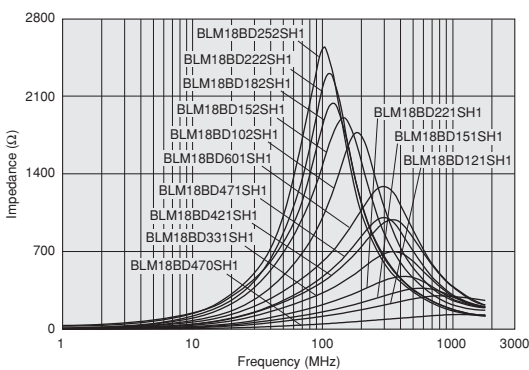
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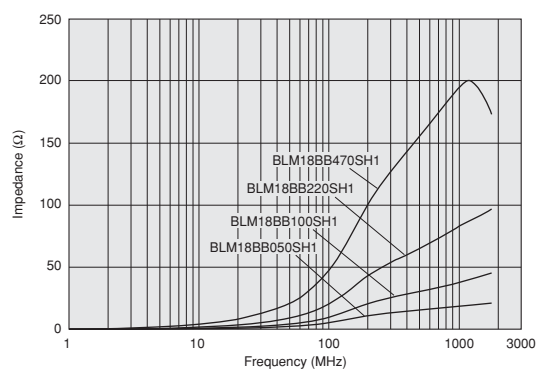
Part Number	Impedance (at 100MHz/20°C)	Impedance (at 1GHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range
BLM18BB151SH1□	150ohm ±25%	-	450mA	0.37ohm max.	-55 to +125°C
BLM18BB221SH1□	220ohm ±25%	-	450mA	0.45ohm max.	-55 to +125°C
BLM18BB331SH1□	330ohm ±25%	-	400mA	0.58ohm max.	-55 to +125°C
BLM18BB471SH1□	470ohm ±25%	-	300mA	0.85ohm max.	-55 to +125°C
BLM18BA050SH1□	5ohm ±25%	-	500mA	0.20ohm max.	-55 to +125°C
BLM18BA100SH1□	10ohm ±25%	-	500mA	0.25ohm max.	-55 to +125°C
BLM18BA220SH1□	22ohm ±25%	-	500mA	0.35ohm max.	-55 to +125°C
BLM18BA470SH1□	47ohm ±25%	-	300mA	0.55ohm max.	-55 to +125°C
BLM18BA750SH1□	75ohm ±25%	-	300mA	0.70ohm max.	-55 to +125°C
BLM18BA121SH1□	120ohm ±25%	-	200mA	0.90ohm max.	-55 to +125°C

Number of Circuits: 1

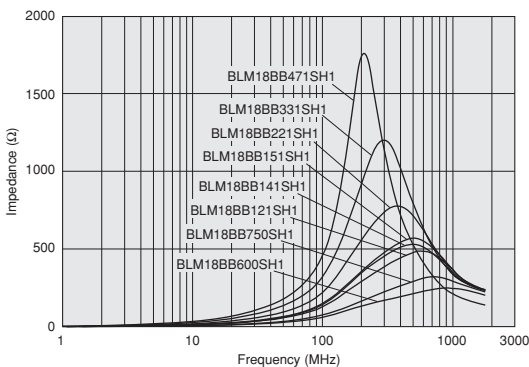
**Impedance-Frequency Characteristics (Main Items)**  
BLM18BD Series



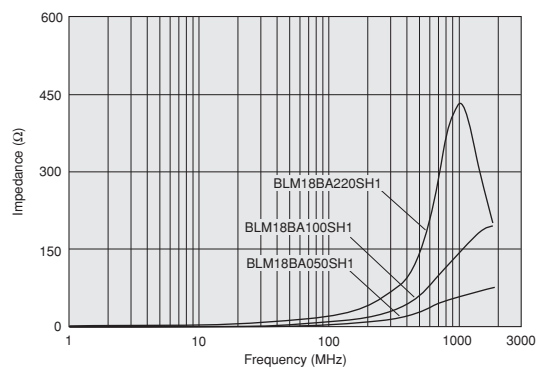
**Impedance-Frequency Characteristics (Main Items)**  
BLM18BB Series (50ohm to 470ohm)



**Impedance-Frequency Characteristics (Main Items)**  
BLM18BB Series (60ohm to 470ohm)



**Impedance-Frequency Characteristics (Main Items)**  
BLM18BA Series (5ohm to 22ohm)



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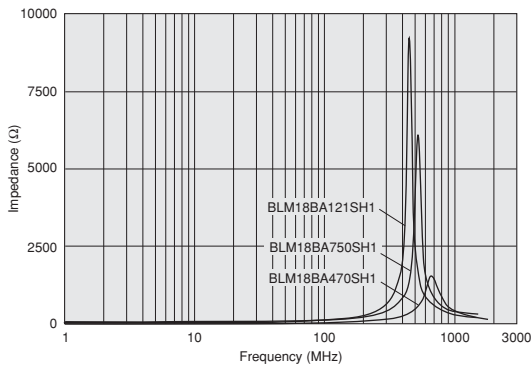
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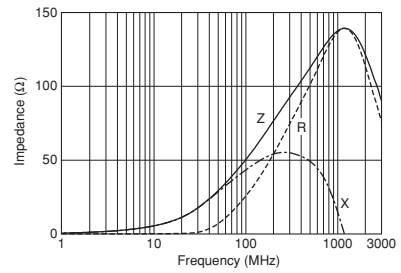
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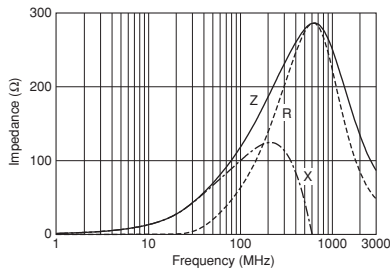
**Impedance-Frequency Characteristics (Main Items)**  
**BLM18BA Series (47ohm to 120ohm)**



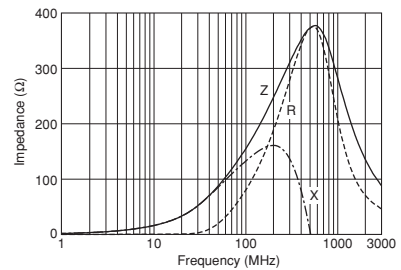
**Impedance-Frequency Characteristics**  
**BLM18BD470SH1**



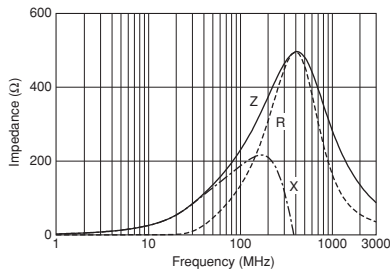
**Impedance-Frequency Characteristics**  
**BLM18BD121SH1**



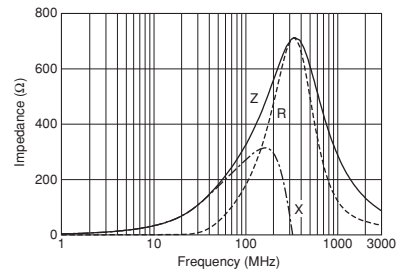
**Impedance-Frequency Characteristics**  
**BLM18BD151SH1**



**Impedance-Frequency Characteristics**  
**BLM18BD221SH1**



**Impedance-Frequency Characteristics**  
**BLM18BD331SH1**



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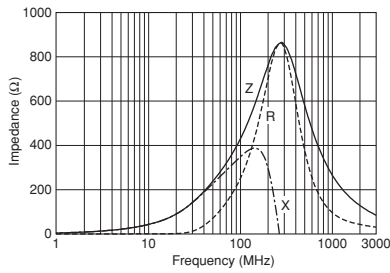
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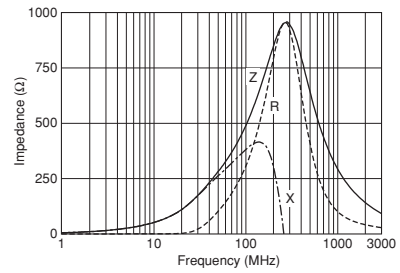
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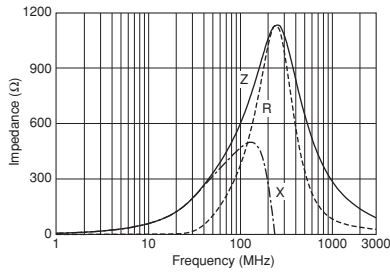
**Impedance-Frequency Characteristics**  
**BLM18BD421SH1**



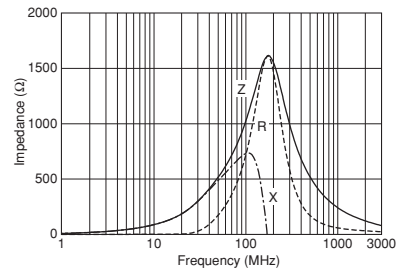
**Impedance-Frequency Characteristics**  
**BLM18BD471SH1**



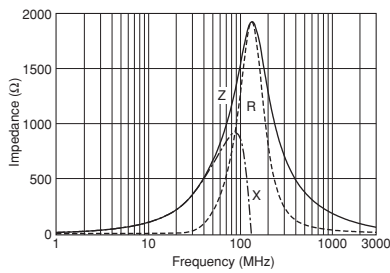
**Impedance-Frequency Characteristics**  
**BLM18BD601SH1**



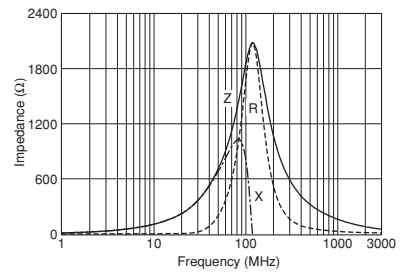
**Impedance-Frequency Characteristics**  
**BLM18BD102SH1**



**Impedance-Frequency Characteristics**  
**BLM18BD152SH1**



**Impedance-Frequency Characteristics**  
**BLM18BD182SH1**



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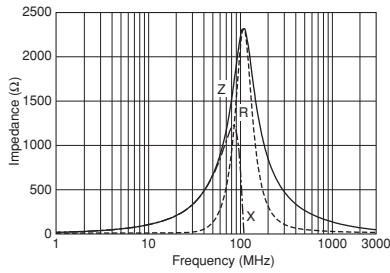
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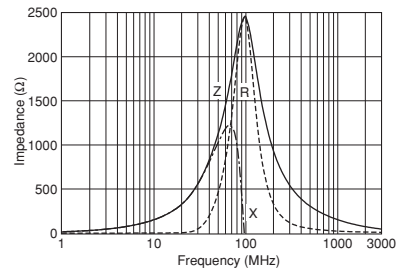
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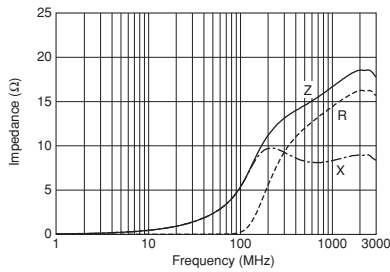
**Impedance-Frequency Characteristics**  
**BLM18BD222SH1**



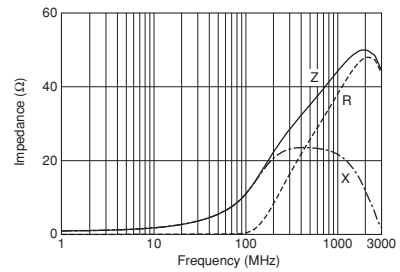
**Impedance-Frequency Characteristics**  
**BLM18BD252SH1**



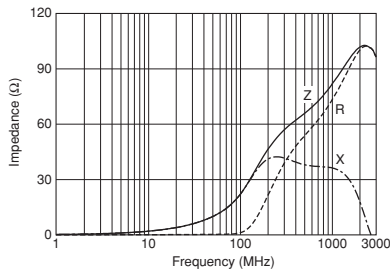
**Impedance-Frequency Characteristics**  
**BLM18BB050SH1**



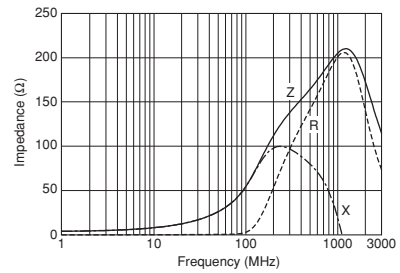
**Impedance-Frequency Characteristics**  
**BLM18BB100SH1**



**Impedance-Frequency Characteristics**  
**BLM18BB220SH1**



**Impedance-Frequency Characteristics**  
**BLM18BB470SH1**



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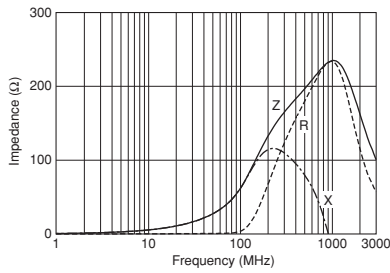
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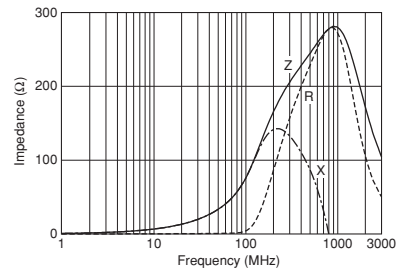
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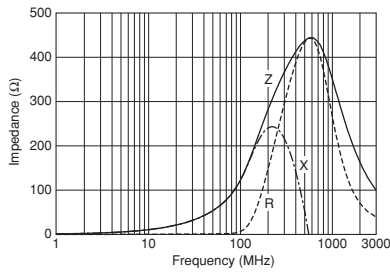
**Impedance-Frequency Characteristics**  
**BLM18BB600SH1**



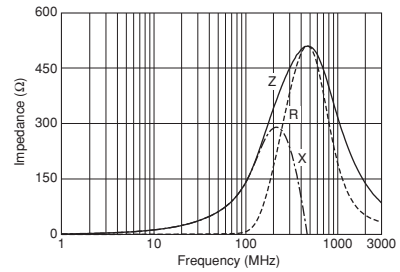
**Impedance-Frequency Characteristics**  
**BLM18BB750SH1**



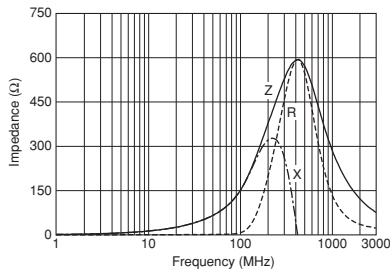
**Impedance-Frequency Characteristics**  
**BLM18BB121SH1**



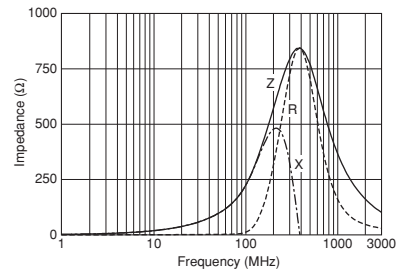
**Impedance-Frequency Characteristics**  
**BLM18BB141SH1**



**Impedance-Frequency Characteristics**  
**BLM18BB151SH1**



**Impedance-Frequency Characteristics**  
**BLM18BB221SH1**



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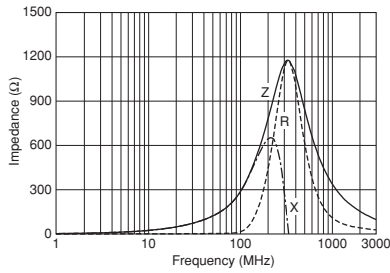
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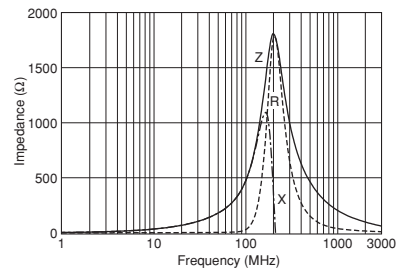
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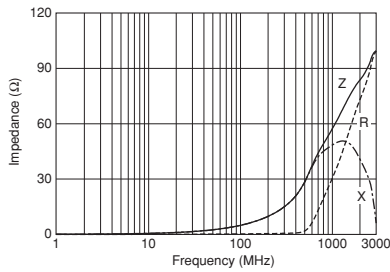
**Impedance-Frequency Characteristics**  
**BLM18BB331SH1**



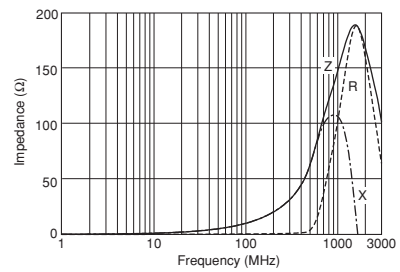
**Impedance-Frequency Characteristics**  
**BLM18BB471SH1**



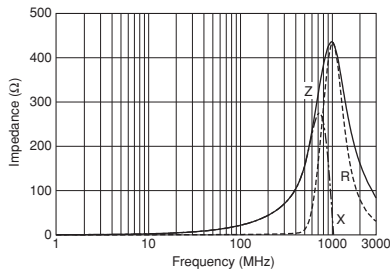
**Impedance-Frequency Characteristics**  
**BLM18BA050SH1**



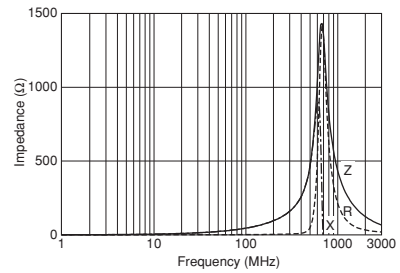
**Impedance-Frequency Characteristics**  
**BLM18BA100SH1**



**Impedance-Frequency Characteristics**  
**BLM18BA220SH1**



**Impedance-Frequency Characteristics**  
**BLM18BA470SH1**



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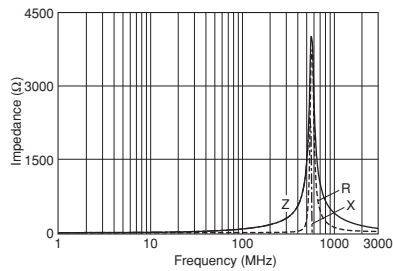
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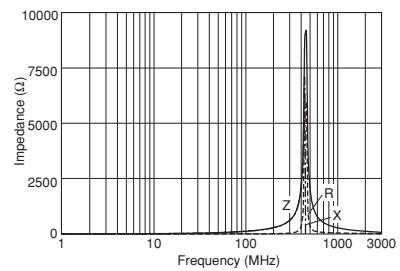
### Impedance-Frequency Characteristics

BLM18BA750SH1



### Impedance-Frequency Characteristics

BLM18BA121SH1



### Caution/Notice

#### Caution (Rating)

1. Do not use products beyond the rated current as this may create excessive heat and deteriorate the insulation resistance.
2. Be sure to provide an appropriate fail-safe function on your product to prevent a second damage that may be caused by the abnormal function or the failure our product.

#### Notice

Solderability of Tin plating termination chip might be deteriorated when low temperature soldering profile where peak solder temperature is below the Tin melting point is used. Please confirm the solderability of Tin plating termination chip before use.

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