

### 带外壳插件共模电感-MnZn

AC Common Mode MnZn (With Cover THT)



#### 特性

Characteristics

4针外壳，便于组装

Easy assembling due to 4 pin housing

4个焊针，实现完美的机械解耦

4 soldering pins for perfect mechanical decoupling

结构紧凑，超薄

Compact and small size

扇形绕组环形铁芯扼流圈

Toroidal core choke with sector winding

低频和中频范围内共模干扰的高干扰抑制

High interference suppression for common mode interferences in low and middle frequency ranges

#### 应用

Application

电力线滤波器

Power line filter

电力电子

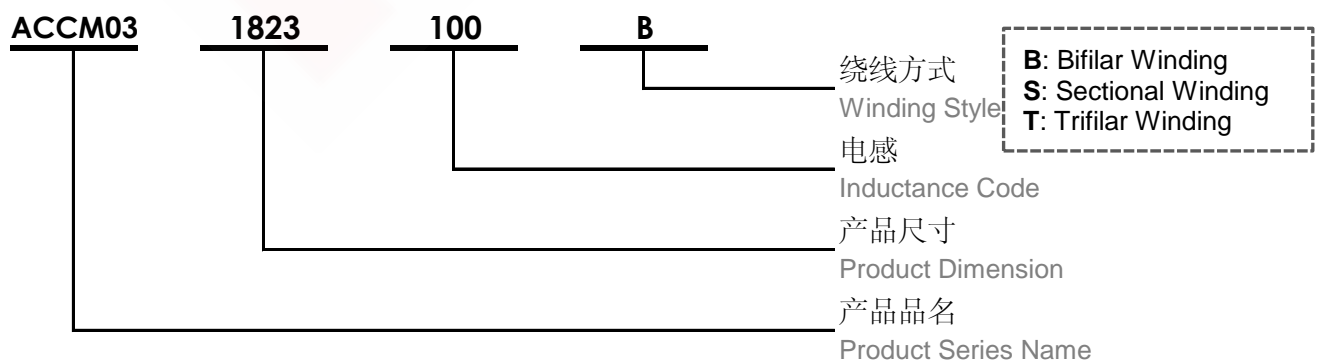
Power electronics

共模噪声的抑制

Suppression of common mode noise

#### 产品品名介绍

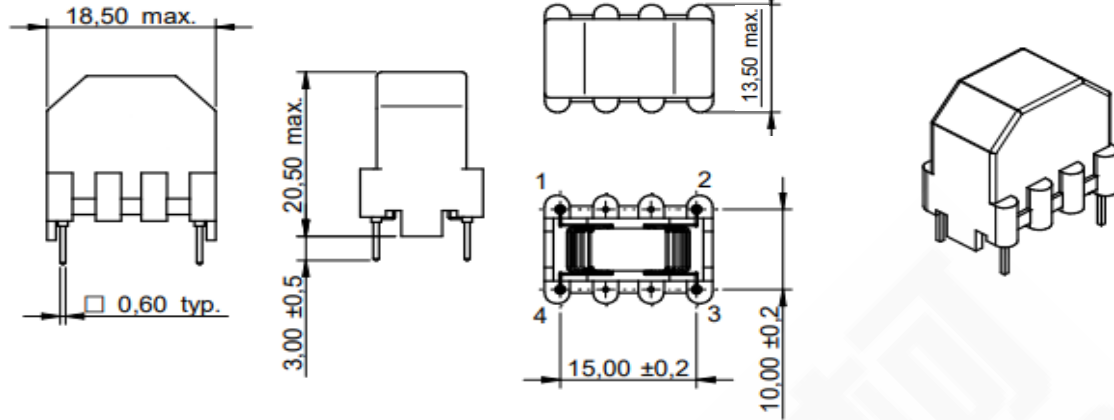
Product Number Structure





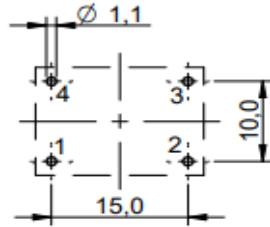
### 尺寸

Dimension (mm)



### 焊盘推荐

Land Pattern Recommended (mm)



### 示意图

Schematics



### 电性特性

Electrical Properties

型号 Part No.	电感 Inductance mH	温升电流 Rated Current I <sub>r</sub> 70°C max(A)	直流电阻 DC Resistance DCR <sub>max</sub> (Ω)	绕线方式 Winding Style	包装数量 Packaging Qty pcs
ACCM03-1823-273S	27.00 ±30%	0.40	1.20	Sectional	100
ACCM03-1823-393S	39.00 ±30%	0.40	1.70	Sectional	100
ACCM03-1823-473S	47.00 ±30%	0.30	2.60	Sectional	100
ACCM03-1823-682S	6.80 ±30%	1.00	0.30	Sectional	100
ACCM03-1823-103S	10.00 ±30%	0.70	0.55	Sectional	100
ACCM03-1823-183S	18.00 ±30%	0.50	0.75	Sectional	100
ACCM03-1823-102S	1.00 ±30%	2.00	0.06	Sectional	100
ACCM03-1823-302S	3.30 ±30%	1.50	0.15	Sectional	100
ACCM03-1823-401S	0.40 ±30%	3.60	0.02	Sectional	100

### 测试状态

Test Condition

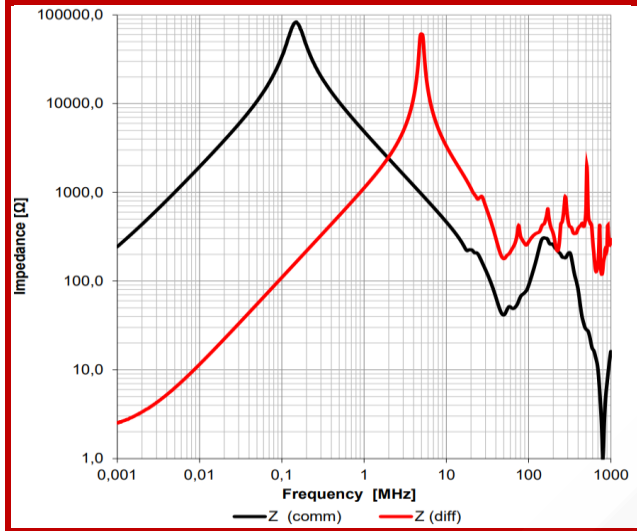
- ☆ 电感测试条件为 10kHz / 50mV (25°C)  
Inductance measure condition at 10kHz / 50mV (25°C)
- ☆ 工作温度: -40°C ~ +125°C  
Operating Temperature: -40°C ~ +125°C
- ☆ 额定电压 50Hz: 250V<sub>(AC)</sub>  
Rated Voltage 50Hz: 250V<sub>(AC)</sub>



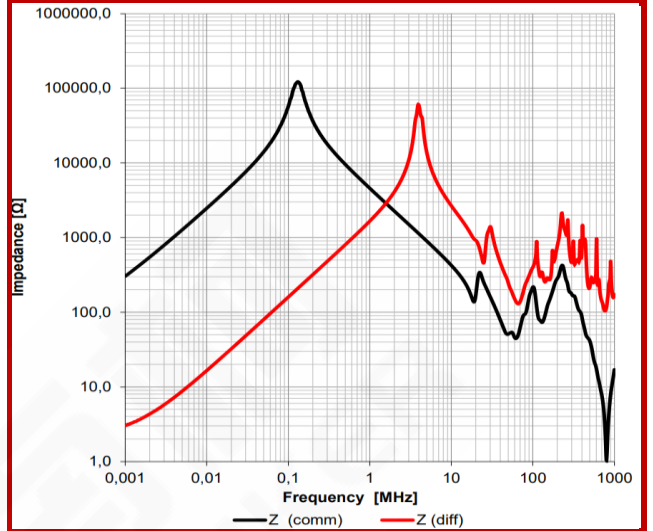
### 典型阻抗特性

Typical Impedance Characteristics

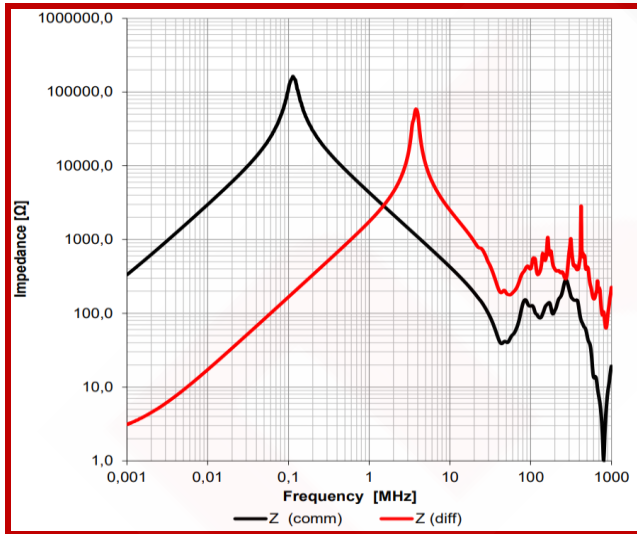
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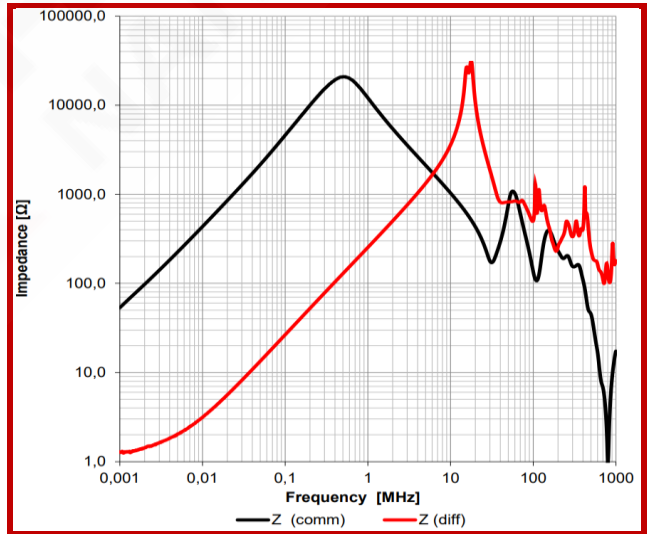
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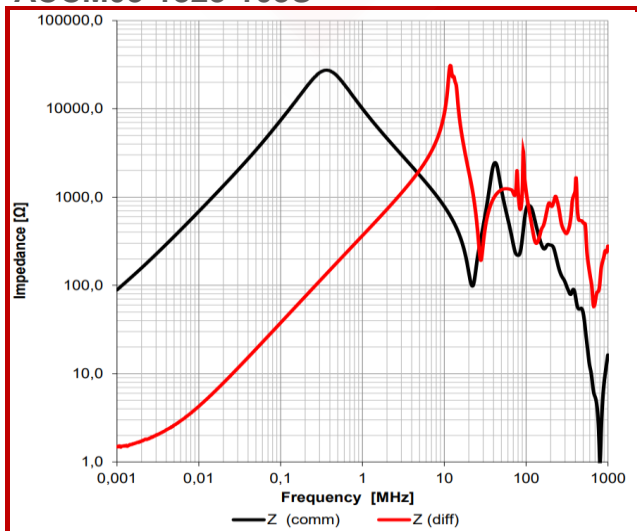
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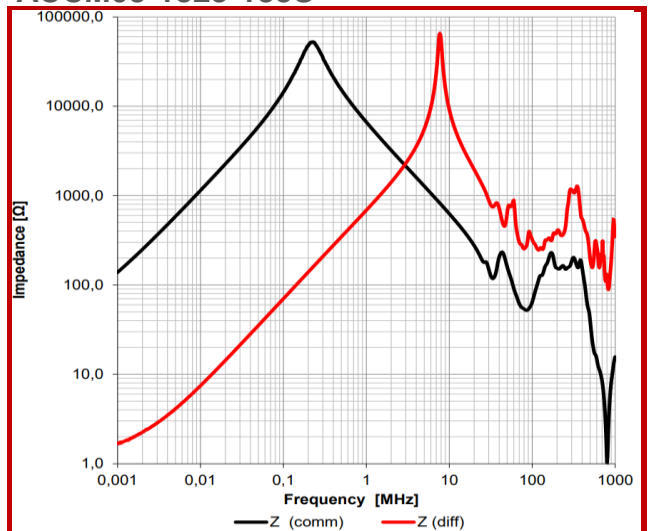
#### ACCM03-1823-682S



#### ACCM03-1823-103S



#### ACCM03-1823-183S

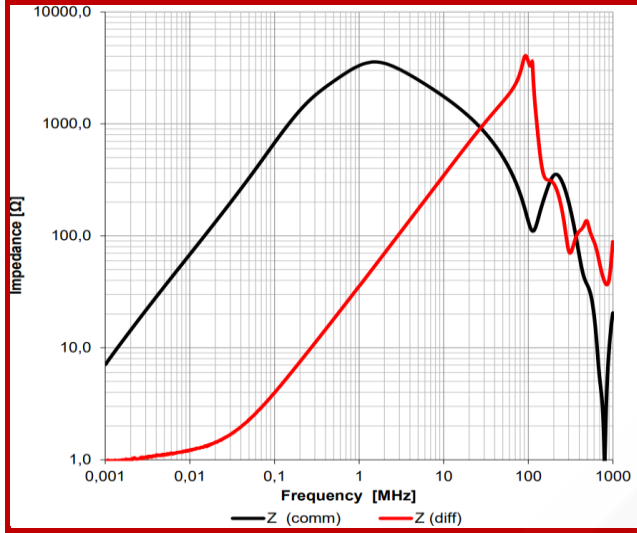




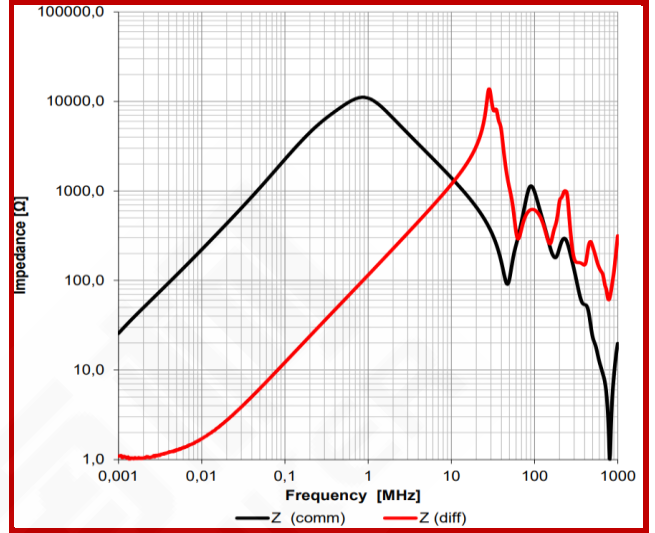
### 典型阻抗特性

Typical Impedance Characteristics

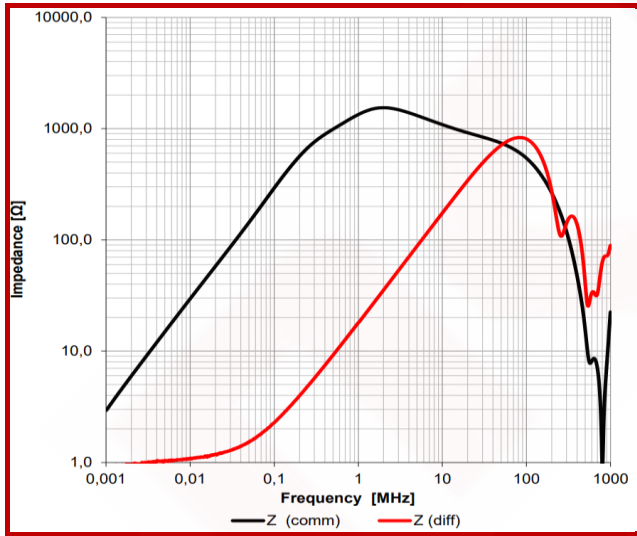
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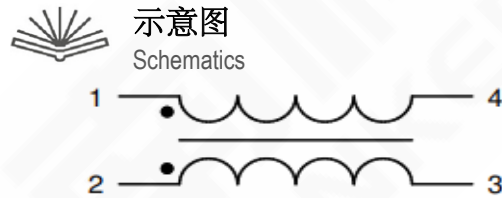
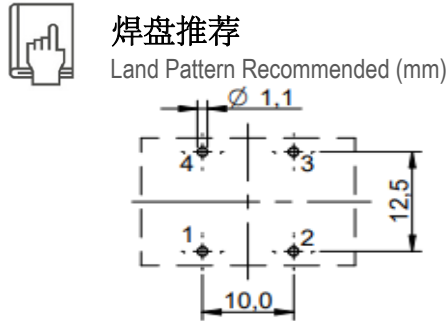
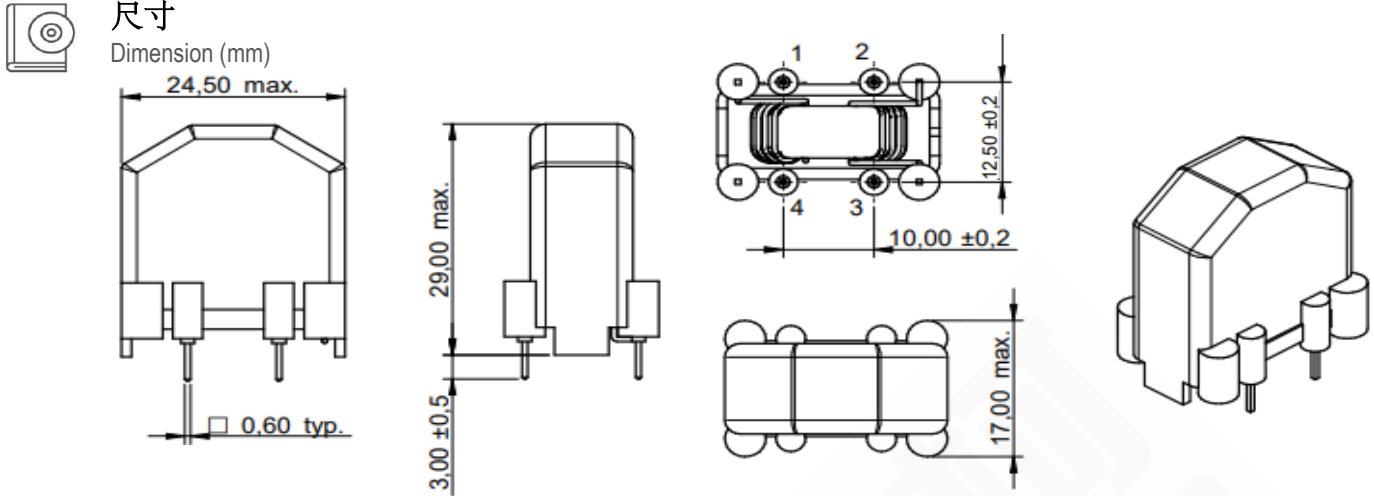


#### ACCM03-1823-302S



#### ACCM03-1823-401S





**电性特性**  
Electrical Properties

型号 Part No.	电感 Inductance mH	温升电流 Rated Current I <sub>r</sub> 70°C max(A)	直流电阻 DC Resistance DCR <sub>max</sub> (Ω)	绕线方式 Winding Style	包装数量 Packaging Qty pcs
ACCM03-2432-473S	47.00 ±30%	0.40	1.60	Sectional	90
ACCM03-2432-103S	10.00 ±30%	1.30	0.25	Sectional	90
ACCM03-2432-123S	12.00 ±30%	1.20	0.28	Sectional	90
ACCM03-2432-273S	27.00 ±30%	0.60	0.70	Sectional	90
ACCM03-2432-202S	2.20 ±30%	2.00	0.06	Sectional	90
ACCM03-2432-302S	3.30 ±30%	2.00	0.08	Sectional	90
ACCM03-2432-402S	4.20 ±30%	2.00	0.12	Sectional	90
ACCM03-2432-682S	6.80 ±30%	1.50	0.20	Sectional	90
ACCM03-2432-102S	1.00 ±30%	3.00	0.04	Sectional	90
ACCM03-2432-701S	0.70 ±30%	4.70	0.02	Sectional	90

**测试状态**

Test Condition

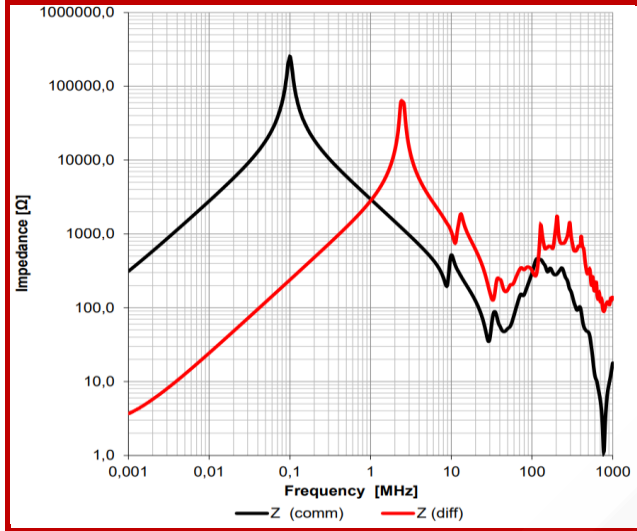
- ☆ 电感测试条件为 10kHz / 50mV (25°C)  
Inductance measure condition at 10kHz / 50mV (25°C)
- ☆ 工作温度: -40°C ~ +125°C  
Operating Temperature: -40°C ~ +125°C
- ☆ 额定电压 50Hz: 250V<sub>(AC)</sub>  
Rated Voltage 50Hz: 250V<sub>(AC)</sub>



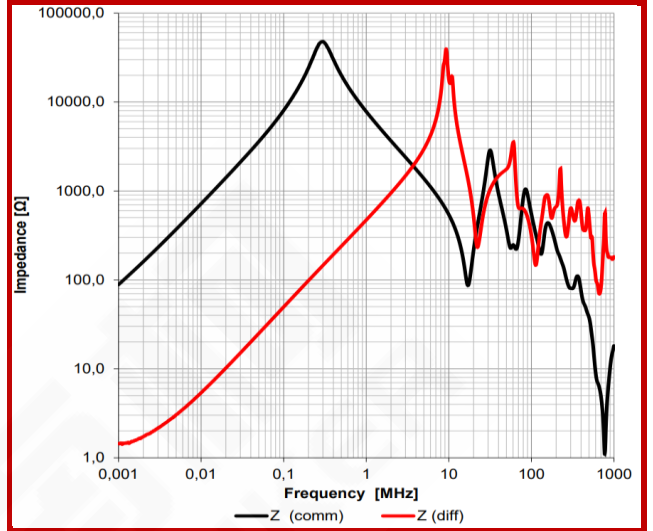
### 典型阻抗特性

Typical Impedance Characteristics

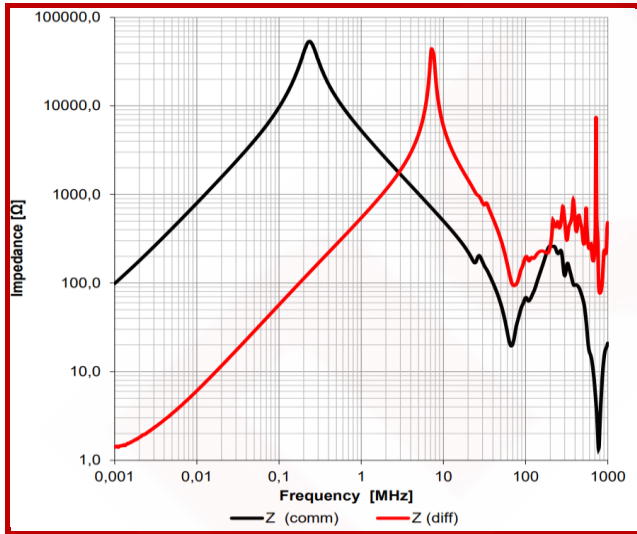
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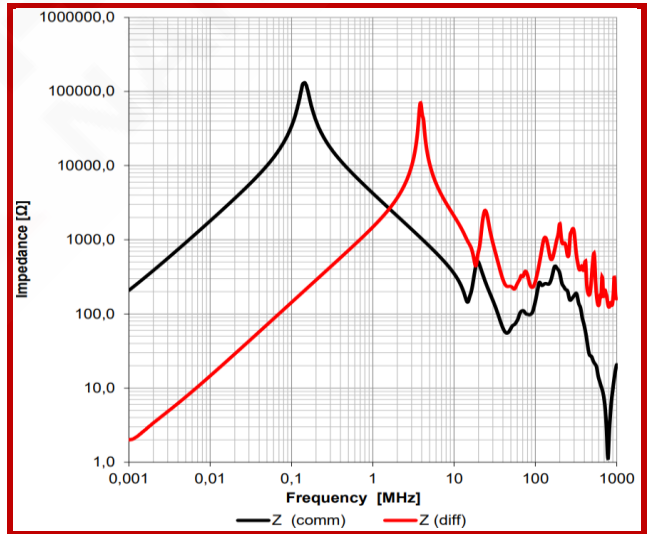
**ACCM03-2432-103S**



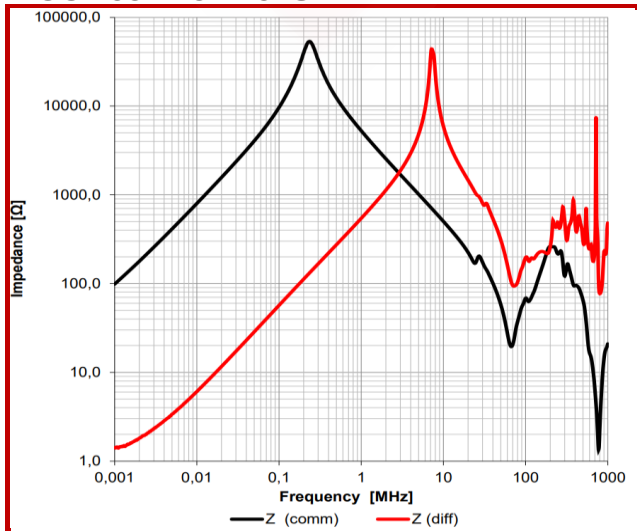
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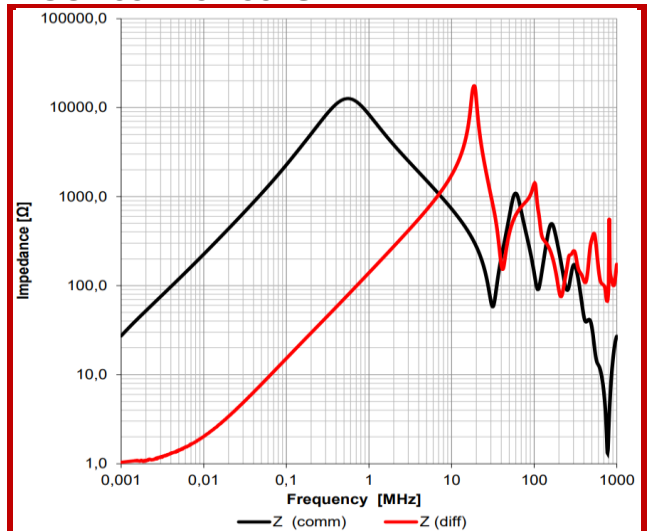
**ACCM03-2432-273S**



**ACCM03-2432-202S**



**ACCM03-2432-302S**

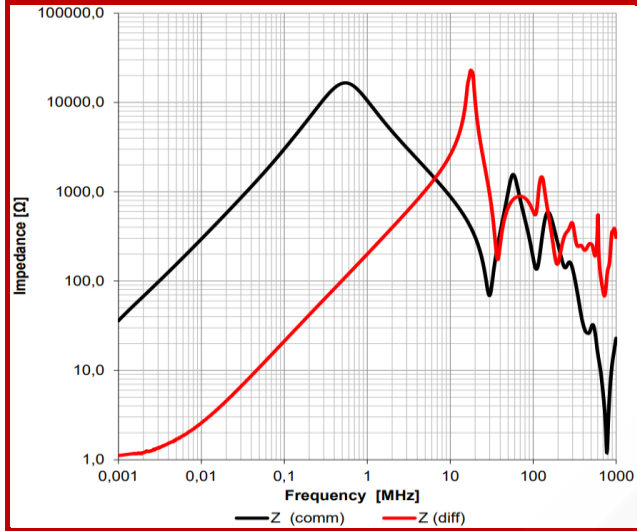




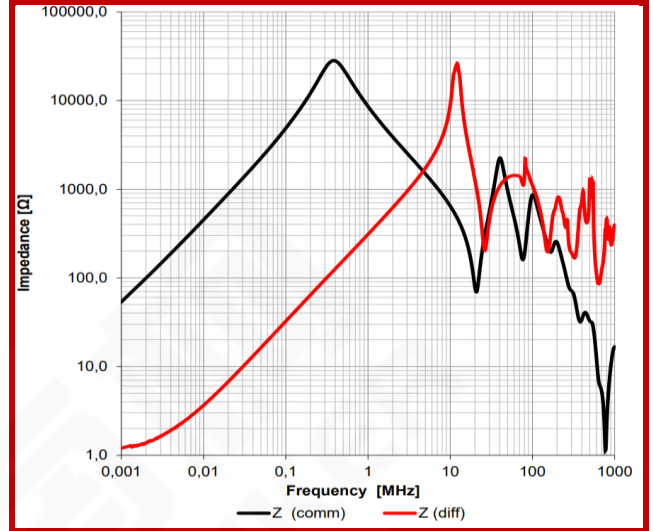
### 典型阻抗特性

Typical Impedance Characteristics

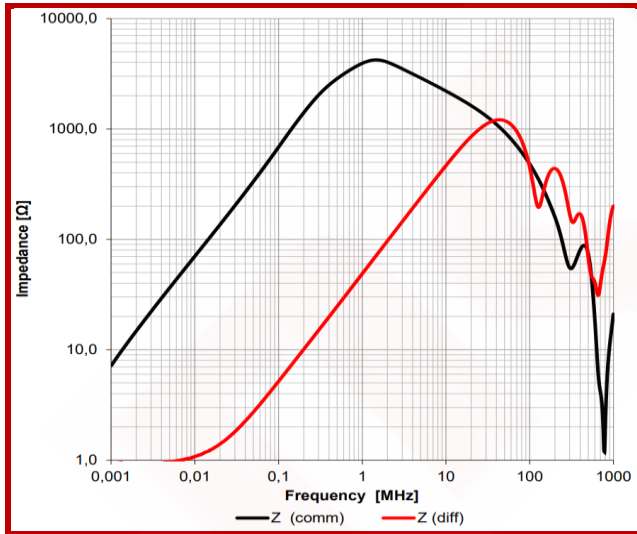
**ACCM03-2432-402S**



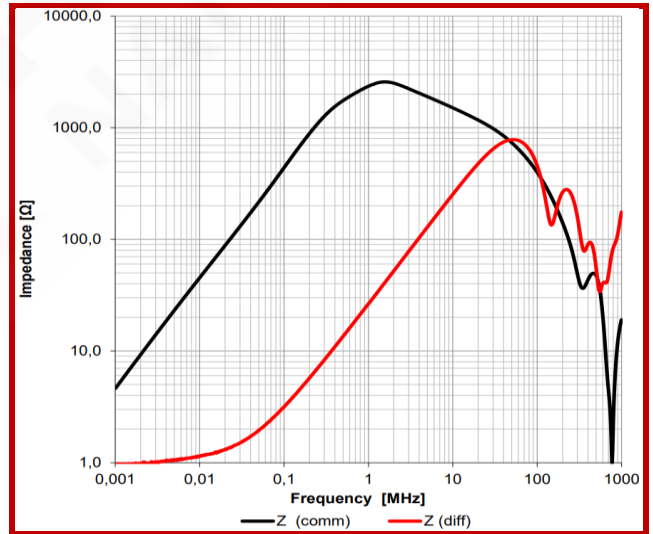
**ACCM03-2432-682S**



**ACCM03-2432-102S**



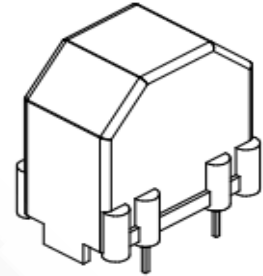
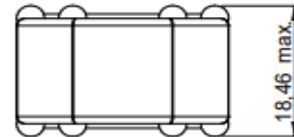
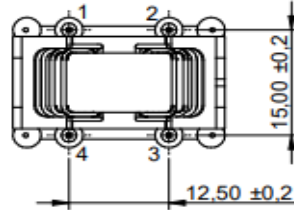
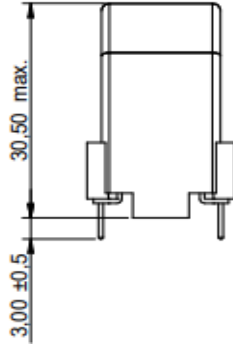
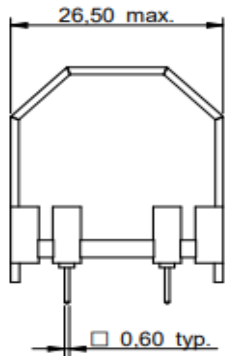
**ACCM03-2432-701S**





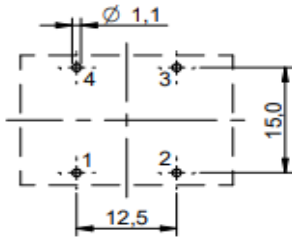
### 尺寸

Dimension (mm)



### 焊盘推荐

Land Pattern Recommended (mm)



### 示意图

Schematics



### 电性特性

Electrical Properties

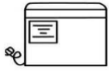
型号 Part No.	电感 Inductance mH	温升电流 Rated Current I <sub>R</sub> 70°C max(A)	直流电阻 DCResistance DCRmax (Ω)	绕线方式 Winding Style	包装数量 Packaging Qty pcs
ACCM03-2633-273S	27.00 ±30%	1.00	0.64	Sectional	60
ACCM03-2633-333S	33.00 ±30%	0.80	0.85	Sectional	60
ACCM03-2633-503S	50.00 ±30%	0.60	1.20	Sectional	60
ACCM03-2633-682S	6.80 ±30%	1.90	0.16	Sectional	60
ACCM03-2633-103S	10.00 ±30%	1.90	0.18	Sectional	60
ACCM03-2633-272S	2.70 ±30%	3.00	0.06	Sectional	60
ACCM03-2633-402S	4.00 ±30%	3.00	0.07	Sectional	60
ACCM03-2633-182S	1.80 ±30%	6.00	0.023	Sectional	60

### 测试状态

Test Condition

- ☆ 电感测试条件为 10kHz / 50mV (25°C)  
Inductance measure condition at 10kHz / 50mV (25°C)
- ☆ 工作温度: -40°C ~ +125°C  
Operating Temperature: -40°C ~ +125°C
- ☆ 额定电压 50Hz: 250V<sub>(AC)</sub>  
Rated Voltage 50Hz: 250V<sub>(AC)</sub>

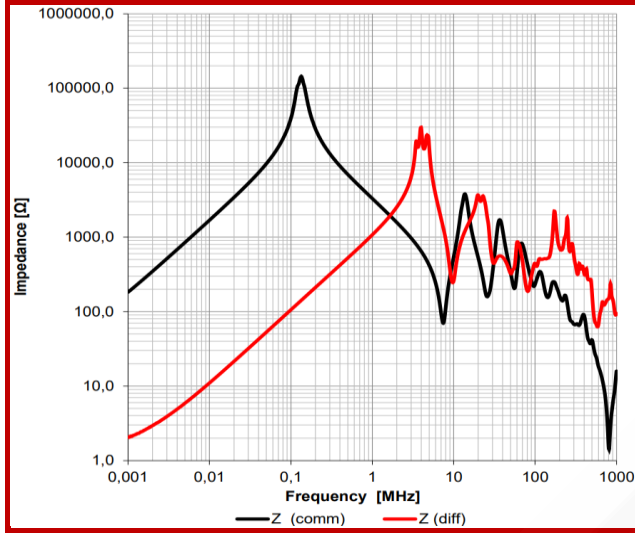




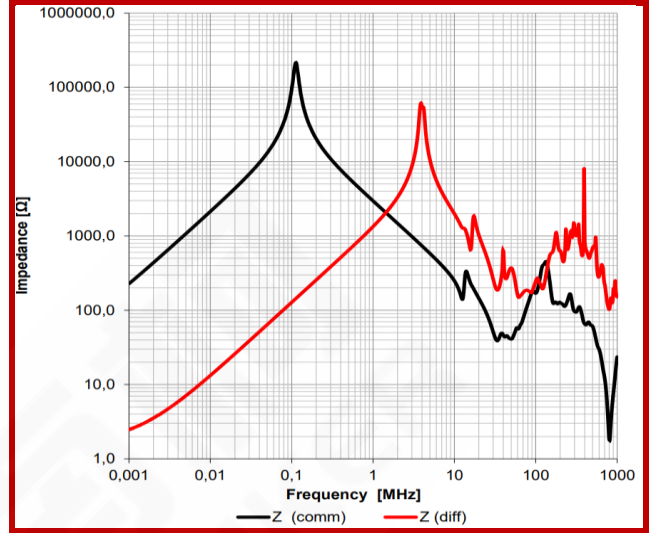
### 典型阻抗特性

Typical Impedance Characteristics

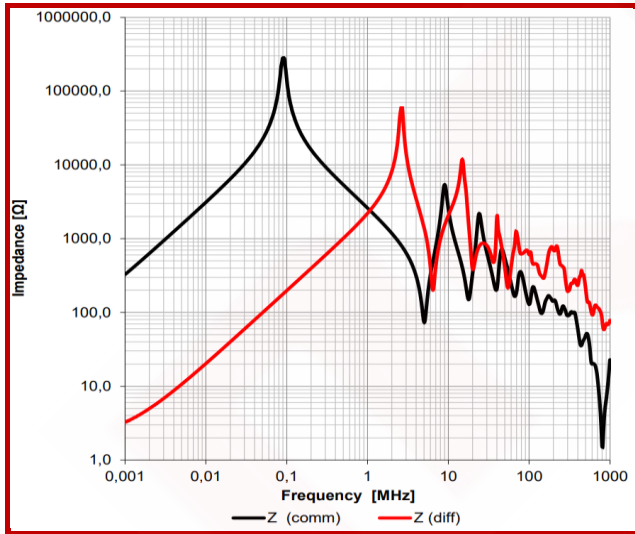
**ACCM03-2633-273S**



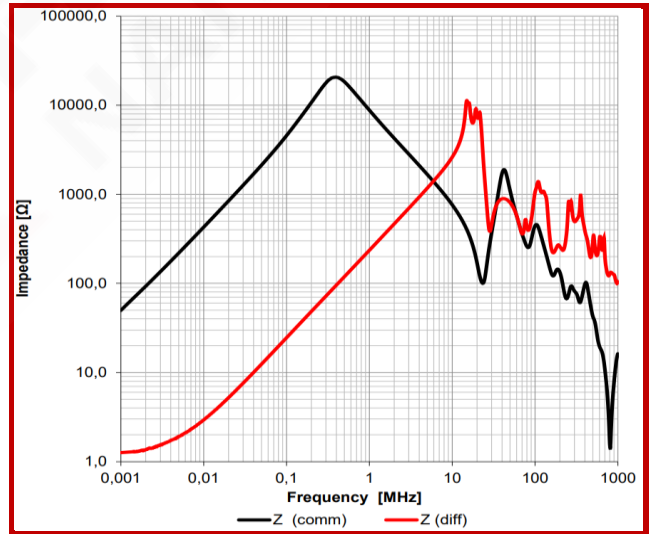
**ACCM03-2633-333S**



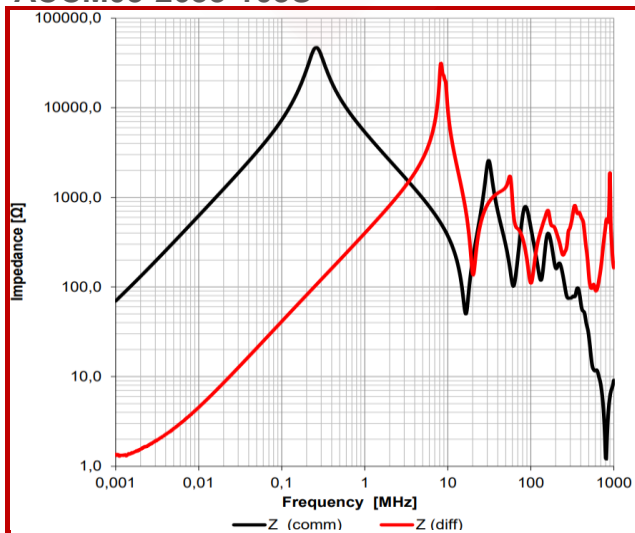
**ACCM03-2633-503S**



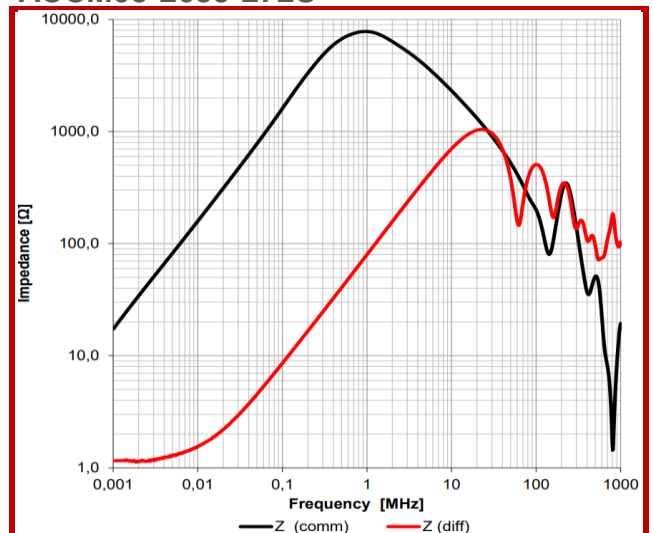
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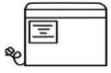


**ACCM03-2633-103S**



**ACCM03-2633-272S**

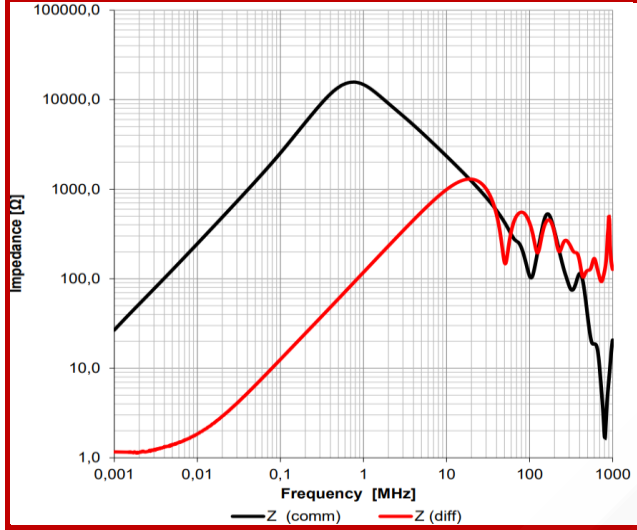




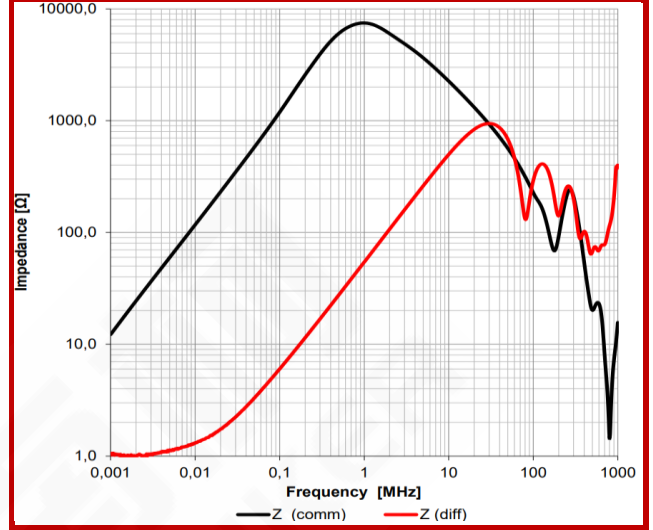
### 典型阻抗特性

Typical Impedance Characteristics

#### ACCM03-2633-402S



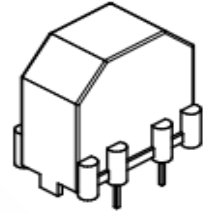
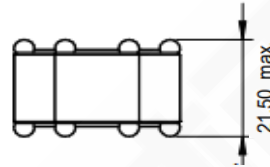
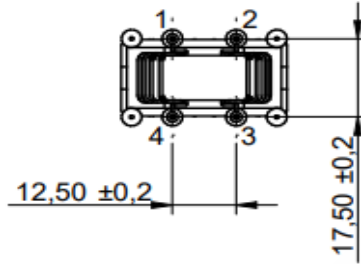
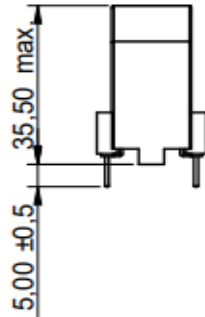
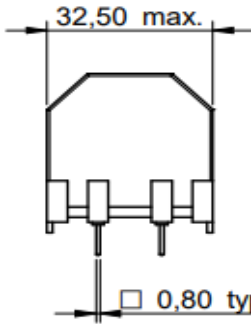
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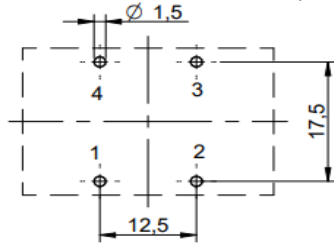
### 尺寸

Dimension (mm)



### 焊盘推荐

Land Pattern Recommended (mm)



### 示意图

Schematics



### 电性特性

Electrical Properties

型号 Part No.	电感 Inductance mH	温升电流 Rated Current I <sub>R</sub> 70°C max(A)	直流电阻 DCResistance DCRmax (Ω)	绕线方式 Winding Style	包装数量 Packaging Qty pcs
ACCM03-3240-682S	6.80 ±30%	2.50	0.120	Sectional	50
ACCM03-3240-222S	2.20 ±30%	4.30	0.038	Sectional	50
ACCM03-3240-332S	3.30 ±30%	4.00	0.065	Sectional	50

### 测试状态

Test Condition

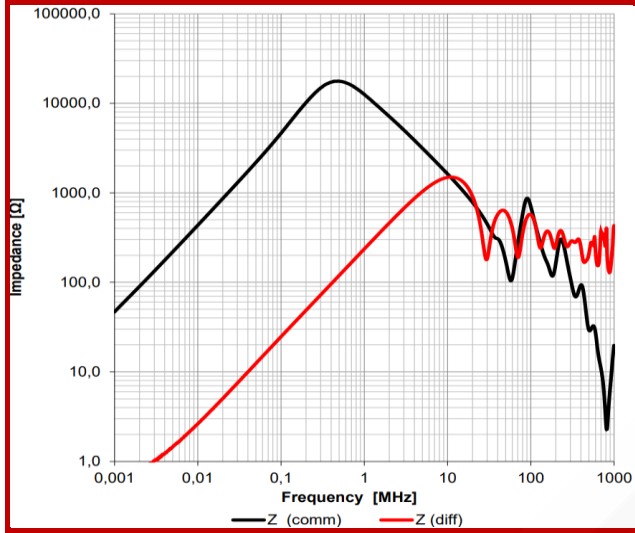
- ☆ 电感测试条件为 10kHz / 50mV (25°C)  
Inductance measure condition at 10kHz / 50mV (25°C)
- ☆ 工作温度: -40°C ~ +125°C  
Operating Temperature: -40°C ~ +125°C
- ☆ 额定电压 50Hz: 250V<sub>(AC)</sub>  
Rated Voltage 50Hz: 250V<sub>(AC)</sub>



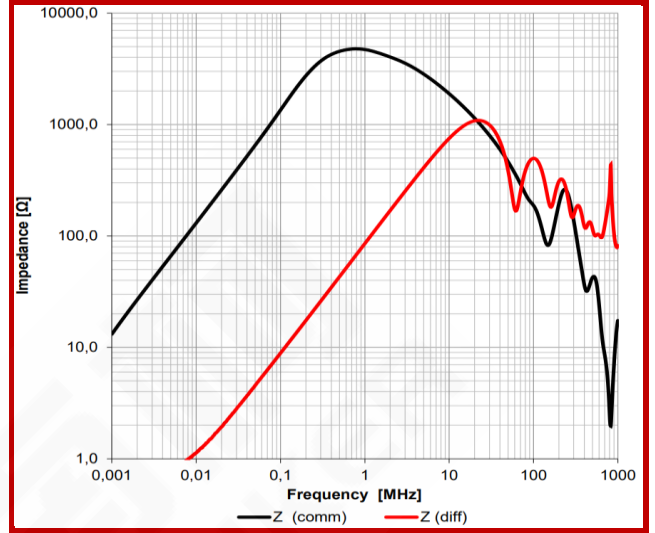
### 典型阻抗特性

Typical Impedance Characteristics

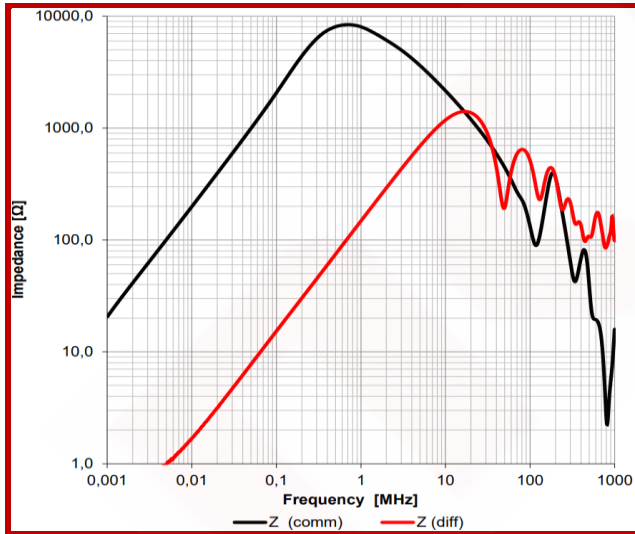
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#### ACCM03-3240-222S



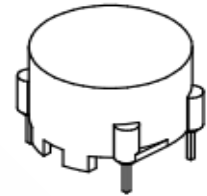
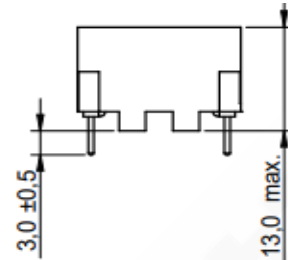
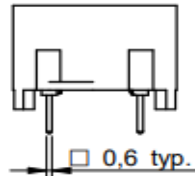
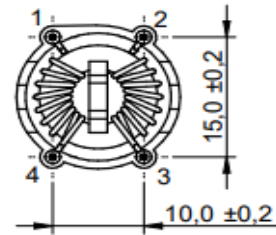
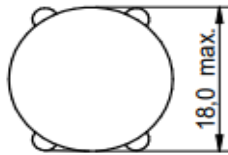
#### ACCM03-3240-332S





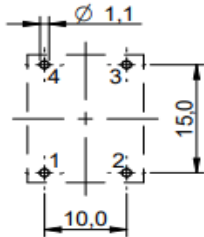
### 尺寸

Dimension (mm)



### 焊盘推荐

Land Pattern Recommended (mm)



### 示意图

Schematics



### 电性特性

Electrical Properties

型号 Part No.	电感 Inductance mH	温升电流 Rated Current I <sub>r</sub> 70°C max(A)	直流电阻 DC Resistance DCR <sub>max</sub> (Ω)	绕线方式 Winding Style	包装数量 Packaging Qty pcs
ACCM03-1816-153S	15.00 ±30%	0.50	0.83	Sectional	90
ACCM03-1816-273S	27.00 ±30%	0.40	1.20	Sectional	90
ACCM03-1816-393S	39.00 ±30%	0.40	1.70	Sectional	90
ACCM03-1816-682S	6.80 ±30%	1.00	0.30	Sectional	90
ACCM03-1816-103S	10.00 ±30%	0.70	0.55	Sectional	90
ACCM03-1816-102S	1.00 ±30%	2.00	0.06	Sectional	90
ACCM03-1816-222S	2.20 ±30%	2.00	0.10	Sectional	90
ACCM03-1816-332S	3.30 ±30%	1.50	0.15	Sectional	90
ACCM03-1816-701S	0.70 ±30%	4.00	0.027	Sectional	90

### 测试状态

Test Condition

☆ 电感测试条件为 10kHz / 50mV (25°C)

Inductance measure condition at 10kHz / 50mV (25°C)

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 额定电压 50Hz: 250V<sub>(AC)</sub>

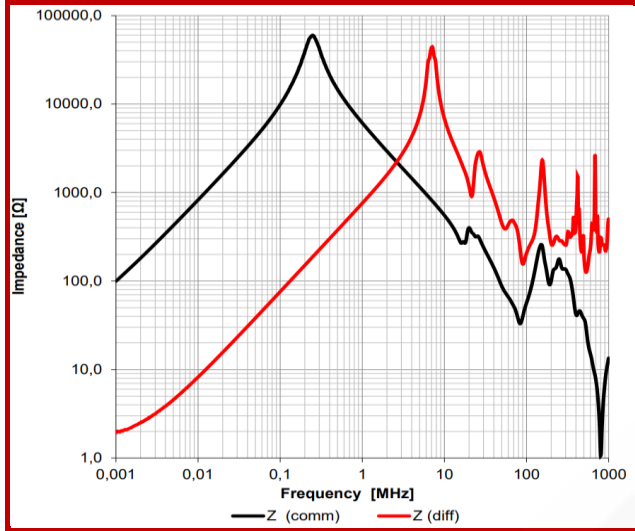
Rated Voltage 50Hz: 250V<sub>(AC)</sub>



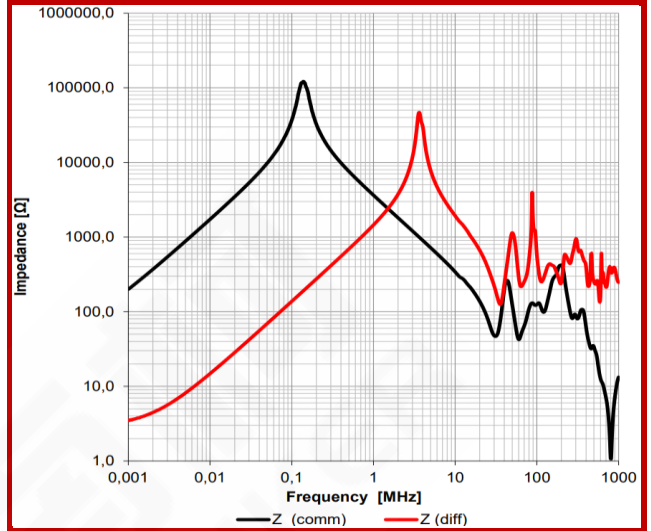
### 典型阻抗特性

Typical Impedance Characteristics

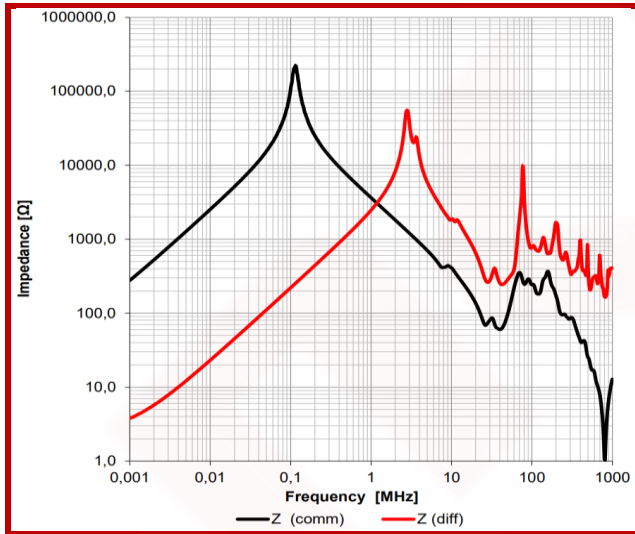
#### ACCM03-1816-153S



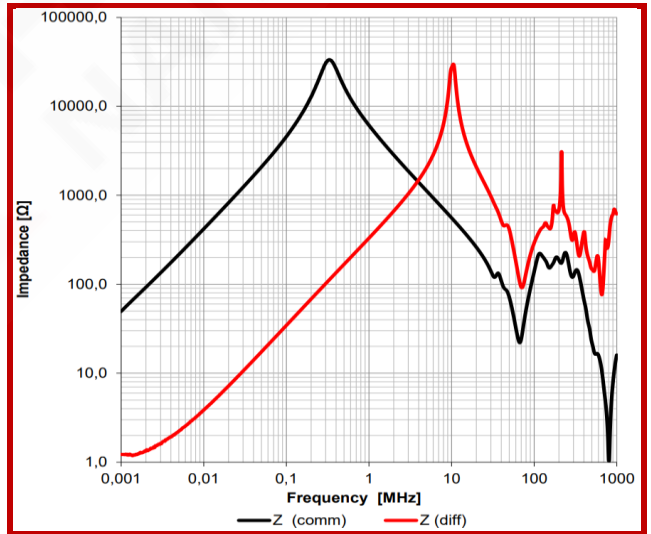
#### ACCM03-1816-273S



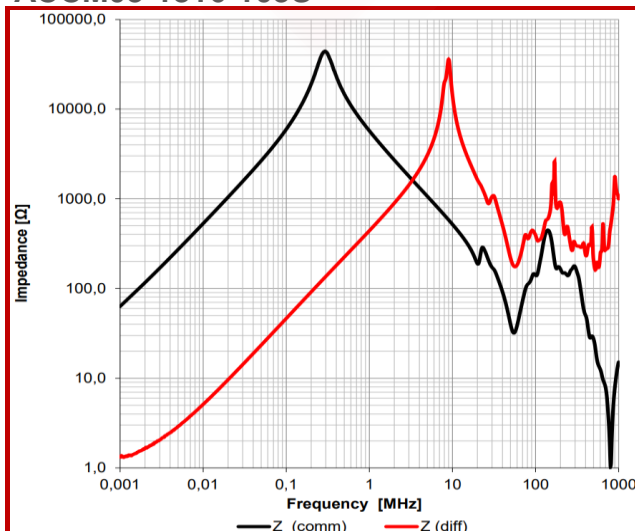
#### ACCM03-1816-393S



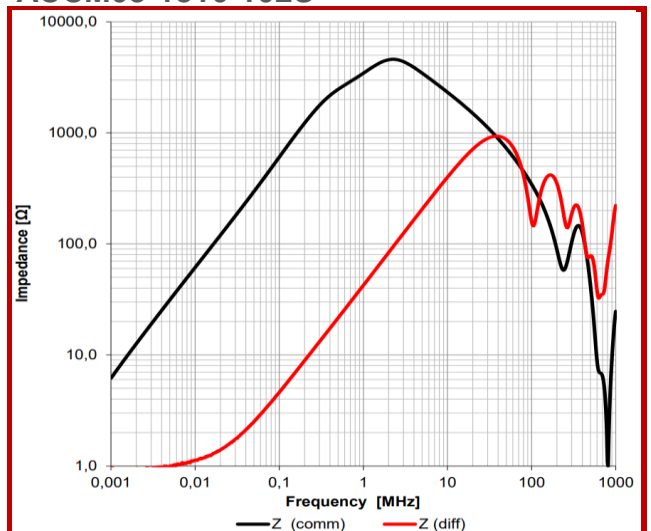
#### ACCM03-1816-682S

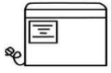


#### ACCM03-1816-103S



#### ACCM03-1816-102S

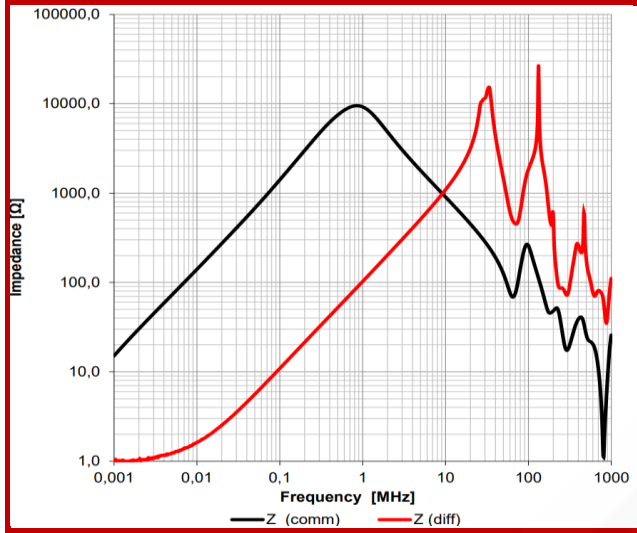




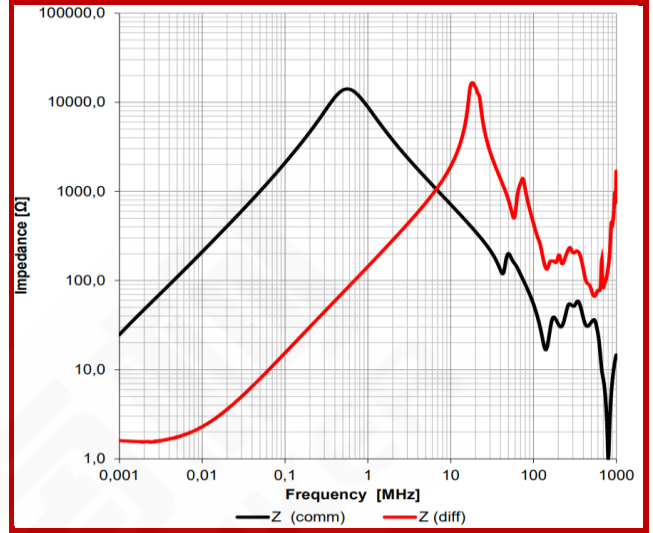
### 典型阻抗特性

Typical Impedance Characteristics

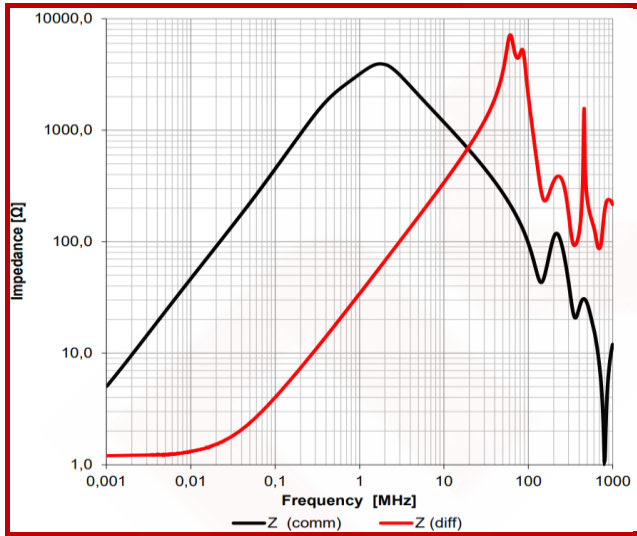
#### ACCM03-1816-222S



#### ACCM03-1816-332S



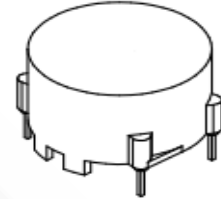
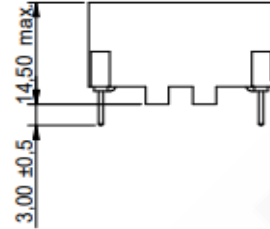
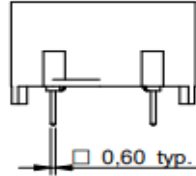
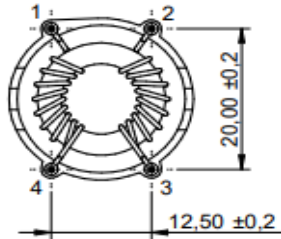
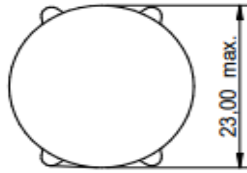
#### ACCM03-1816-701S





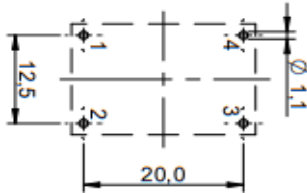
### 尺寸

Dimension (mm)



### 焊盘推荐

Land Pattern Recommended (mm)



### 示意图

Schematics



### 电性特性

Electrical Properties

型号 Part No.	电感 Inductance mH	温升电流 Rated Current I <sub>R</sub> 70°C max(A)	直流电阻 DCResistance DCR <sub>max</sub> (Ω)	绕线方式 Winding Style	包装数量 Packaging Qty pcs
ACCM03-2317-473S	47.00 ±30%	0.50	0.83	Sectional	90
ACCM03-2317-103S	10.00 ±30%	0.40	1.20	Sectional	90
ACCM03-2317-273S	27.00 ±30%	0.40	1.70	Sectional	90
ACCM03-2317-222S	2.20 ±30%	1.00	0.30	Sectional	90
ACCM03-2317-422S	4.20 ±30%	0.70	0.55	Sectional	90
ACCM03-2317-682S	6.80 ±30%	2.00	0.06	Sectional	90
ACCM03-2317-122S	1.20 ±30%	2.00	0.10	Sectional	90

### 测试状态

Test Condition

- ☆ 电感测试条件为 10kHz / 50mV (25°C)  
Inductance measure condition at 10kHz / 50mV (25°C)
- ☆ 工作温度: -40°C ~ +125°C  
Operating Temperature: -40°C ~ +125°C
- ☆ 额定电压 50Hz: 250V<sub>(AC)</sub>  
Rated Voltage 50Hz: 250V<sub>(AC)</sub>

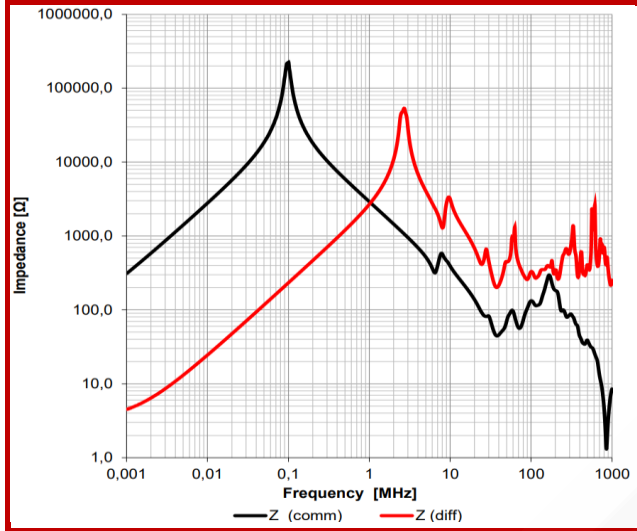




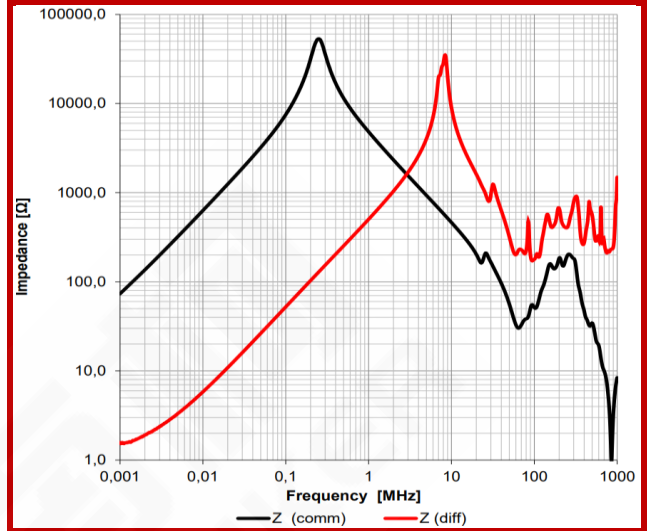
### 典型阻抗特性

Typical Impedance Characteristics

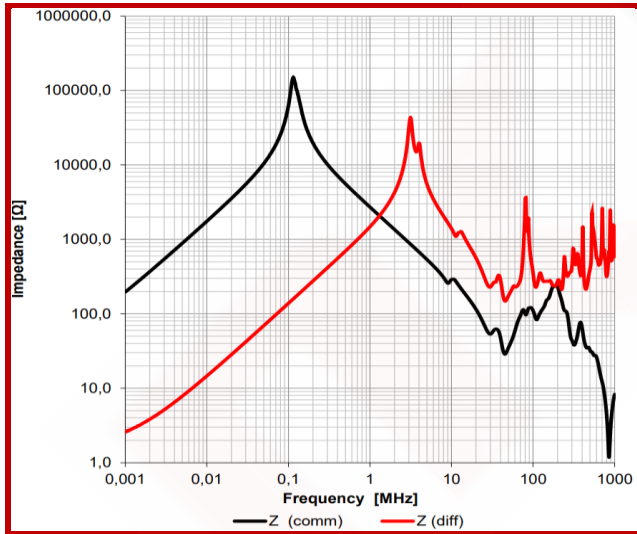
**ACCM03-2317-473S**



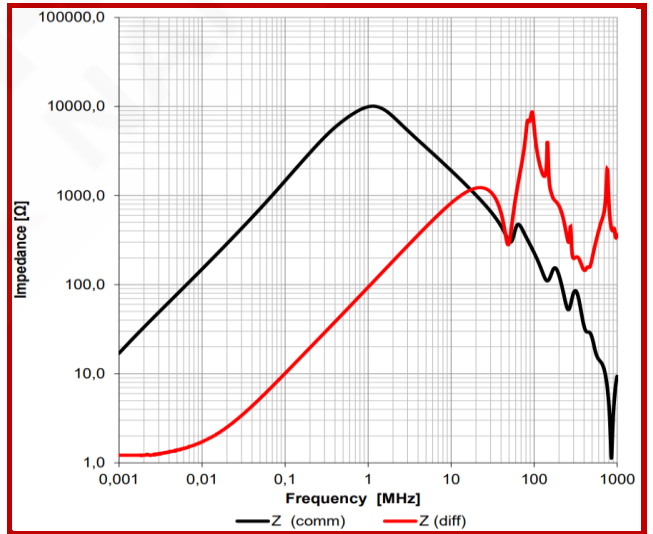
**ACCM03-2317-103S**



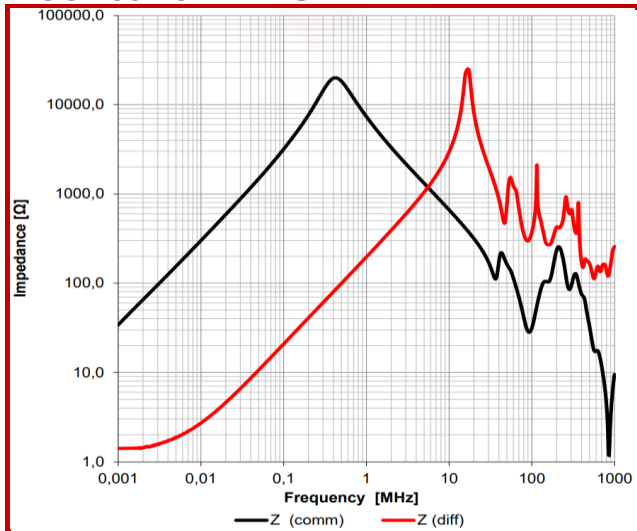
**ACCM03-2317-273S**



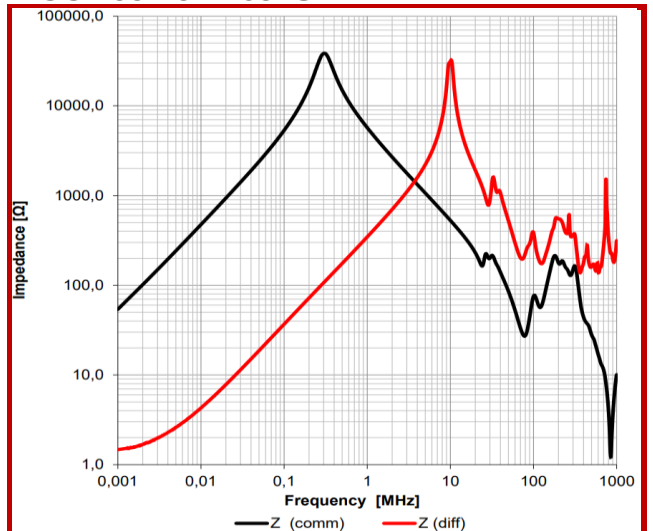
**ACCM03-2317-222S**

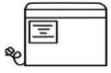


**ACCM03-2317-422S**



**ACCM03-2317-682S**

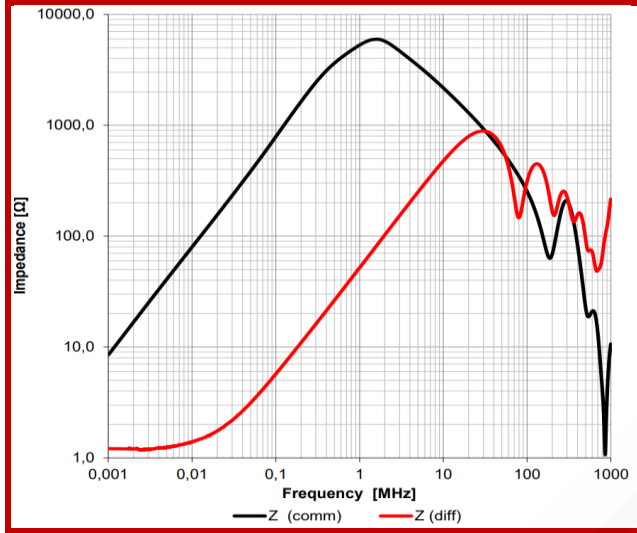




### 典型阻抗特性

Typical Impedance Characteristics

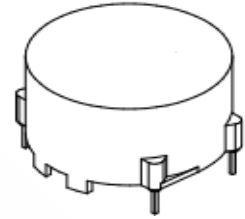
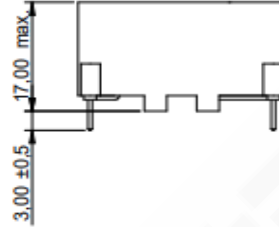
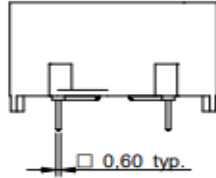
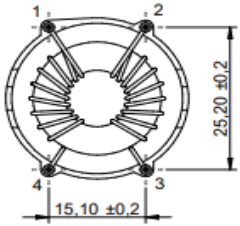
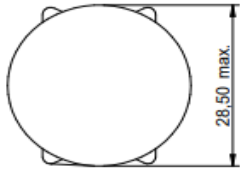
#### ACCM03-2317-122S





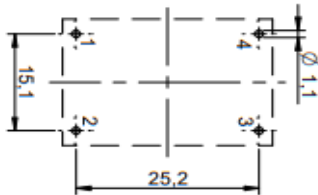
### 尺寸

Dimension (mm)



### 焊盘推荐

Land Pattern Recommended (mm)



### 示意图

Schematics



### 电性特性

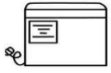
Electrical Properties

型号 Part No.	电感 Inductance mH	温升电流 Rated Current I <sub>R</sub> 70°C max(A)	直流电阻 DCResistance DCR <sub>max</sub> (Ω)	绕线方式 Winding Style	包装数量 Packaging Qty pcs
ACCM03-2820-273S	27.00 ±30%	1.00	0.64	Sectional	30
ACCM03-2820-562S	5.60 ±30%	2.00	0.16	Sectional	30
ACCM03-2820-272S	2.70 ±30%	3.00	0.06	Sectional	30

### 测试状态

Test Condition

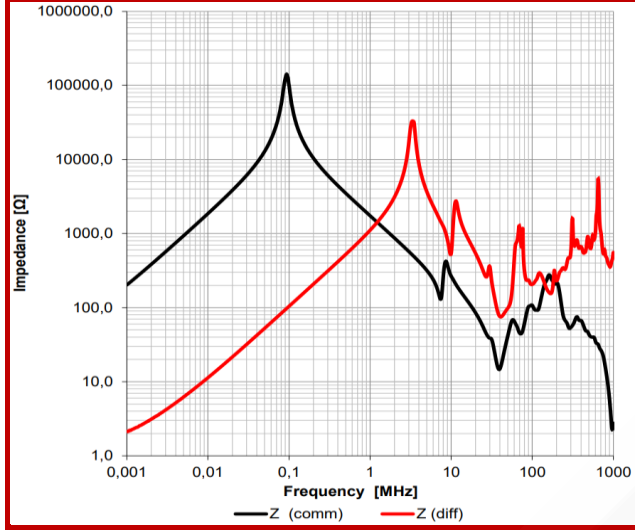
- ☆ 电感测试条件为 10kHz / 50mV (25°C)  
Inductance measure condition at 10kHz / 50mV (25°C)
- ☆ 工作温度: -40°C ~ +125°C  
Operating Temperature: -40°C ~ +125°C
- ☆ 额定电压 50Hz: 250V<sub>(AC)</sub>  
Rated Voltage 50Hz: 250V<sub>(AC)</sub>



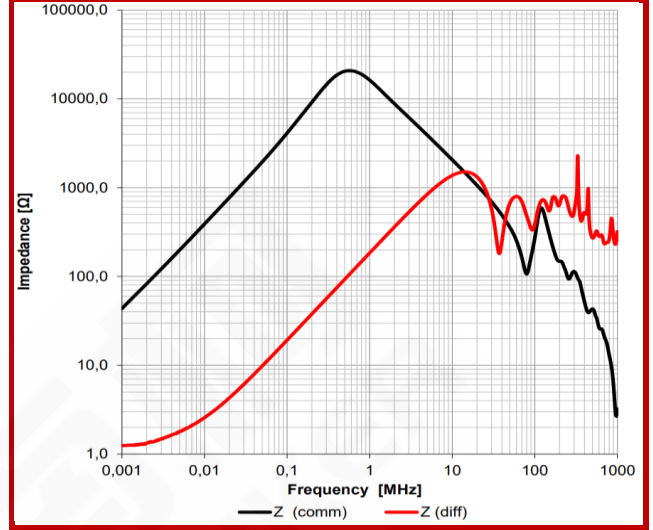
### 典型阻抗特性

Typical Impedance Characteristics

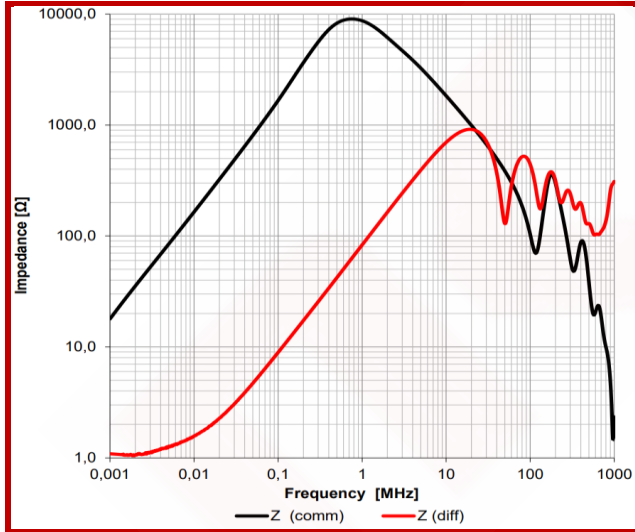
#### ACCM03-2820-273S



#### ACCM03-2820-562S



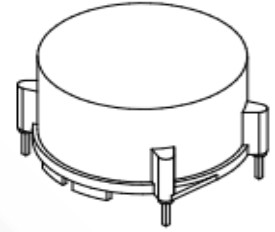
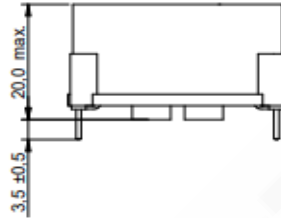
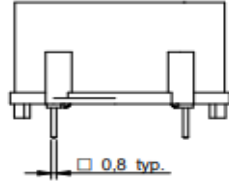
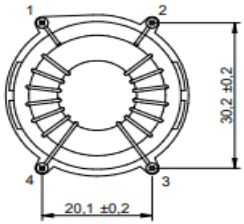
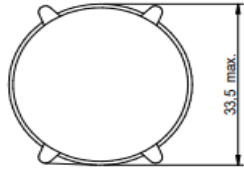
#### ACCM03-2820-272S





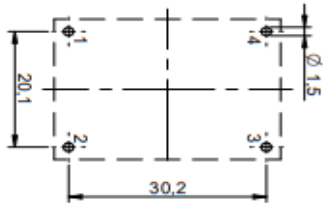
### 尺寸

Dimension (mm)



### 焊盘推荐

Land Pattern Recommended (mm)



### 示意图

Schematics



### 电性特性

Electrical Properties

型号 Part No.	电感 Inductance mH	温升电流 Rated Current I <sub>r</sub> 70°C max(A)	直流电阻 DCResistance DCRmax (Ω)	绕线方式 Winding Style	包装数量 Packaging Qty pcs
ACCM03-3323-273S	27.00 ±30%	1.00	0.64	Sectional	25
ACCM03-3323-103S	10.00 ±30%	2.00	0.16	Sectional	25
ACCM03-3323-332S	3.30 ±30%	3.00	0.06	Sectional	25
ACCM03-3323-182S	1.80 ±30%	2.00	0.16	Sectional	25

### 测试状态

Test Condition

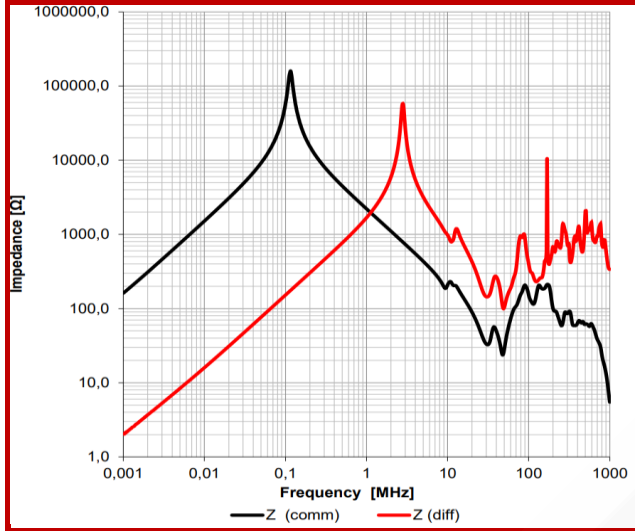
- ☆ 电感测试条件为 10kHz / 50mV (25°C)  
Inductance measure condition at 10kHz / 50mV (25°C)
- ☆ 工作温度: -40°C ~ +125°C  
Operating Temperature: -40°C ~ +125°C
- ☆ 额定电压 50Hz: 250V<sub>(AC)</sub>  
Rated Voltage 50Hz: 250V<sub>(AC)</sub>



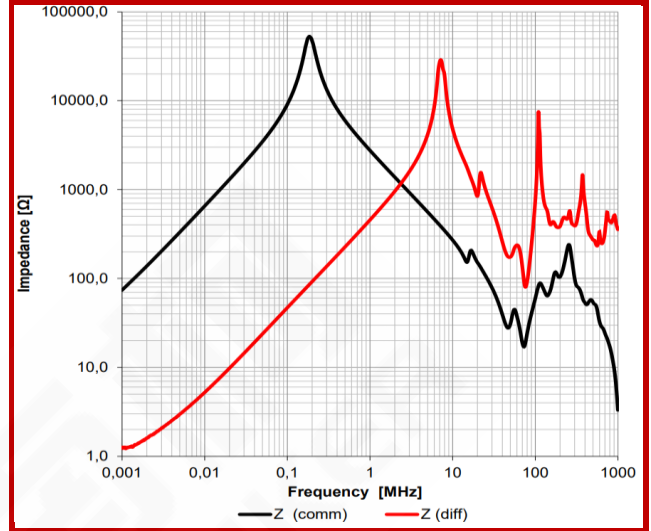
### 典型阻抗特性

Typical Impedance Characteristics

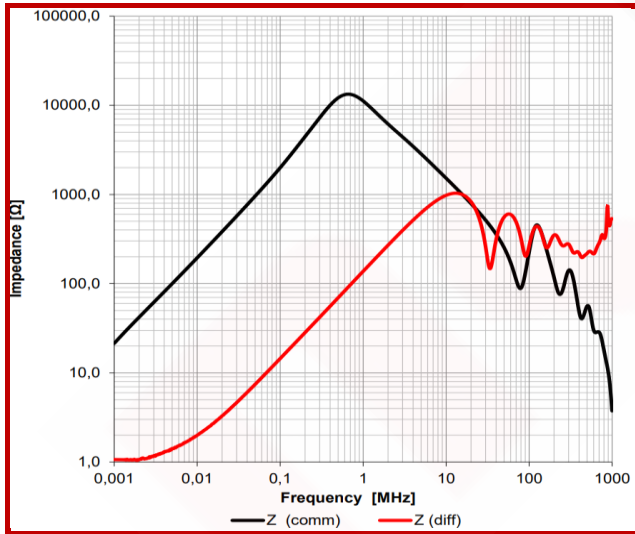
#### ACCM03-3323-273S



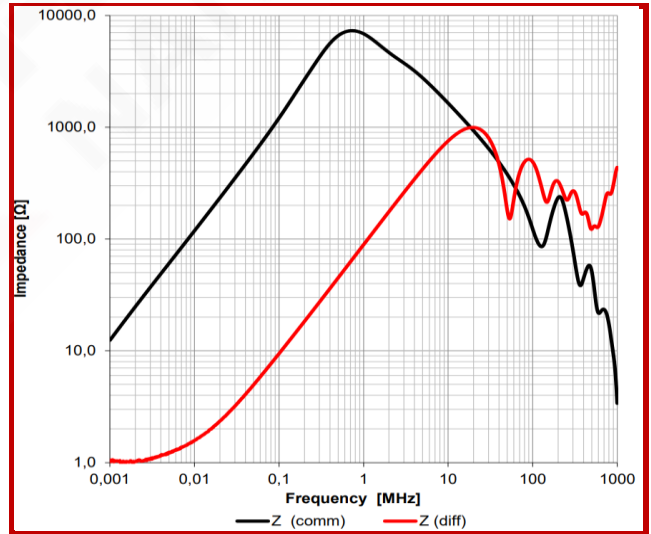
#### ACCM03-3323-103S



#### ACCM03-3323-332S



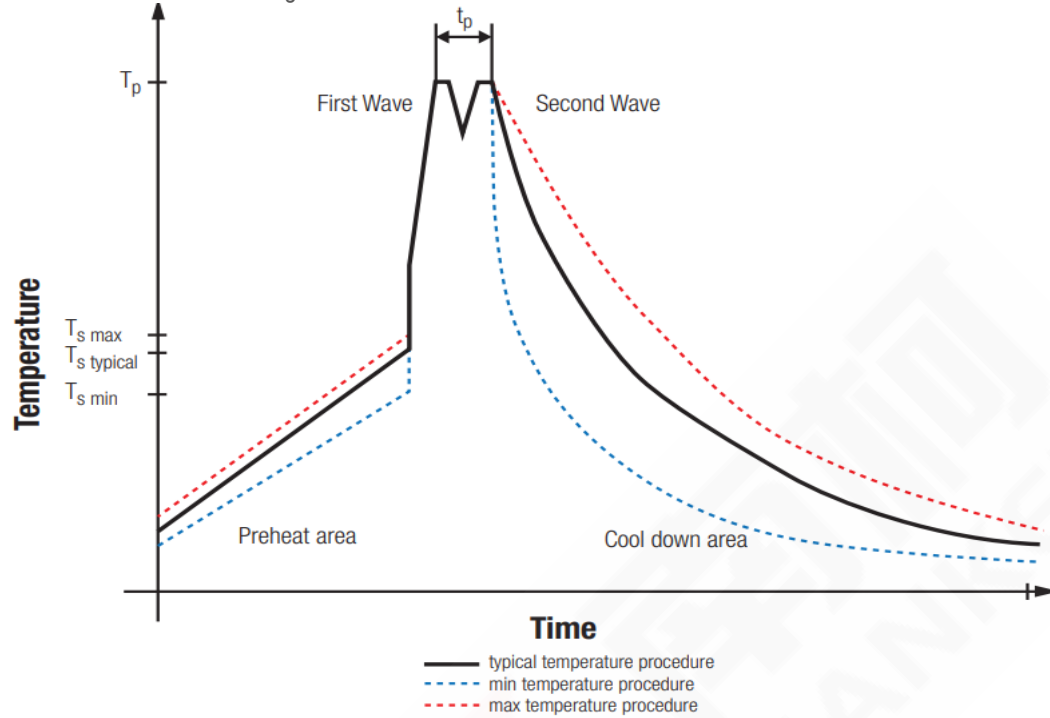
#### ACCM03-3323-182S





### 波峰焊线图

Classification Wave Soldering Profile



### 封装体峰值温度( $T_p$ )分类

Classification Reflow Soldering Profile:

Profile Feature		Pb-Free Assembly	Sn-Pb Assembly
Preheat Temperature Min	$T_{s \min}$	100°C	100°C
Preheat Temperature Typical	$T_{s \text{ typical}}$	120°C	120°C
Preheat Temperature Max	$T_{s \max}$	130°C	130°C
Preheat Time $t_s$ from $T_{s \min}$ to $T_{s \max}$	$t_s$	70 seconds	70 seconds
Ramp-up Rate	$\Delta T$	150°C max	150°C max
Peak Temperature	$T_p$	250°C ~ 260°C	235°C ~ 260°C
Time of actual peak temperature	$t_p$	max. 10 seconds max. 5 seconds each wave	max. 10 seconds max. 5 seconds each wave
Ramp-down Rate, Min			~ 2K/seconds
Ramp-down Rate, Typical		~3.5K/seconds	~3.5K/seconds
Ramp-down Rate, Max		5K/seconds	5K/seconds
Time 25°C to 25°C		4 minutes	4 minutes

\* 波峰焊参照标准EN61760-1:2006。

Wave Soldering is refer to standard EN61760-1:2006