

### 插件共模电感-纳米晶

AC Common Mode Nanocrystalline



可定制不同感值&线径&更改成卧式

Custom make available for difference inductance, wire diameter and horizontal of the core

#### 特性

Characteristics

磁芯材料: 纳米晶

Very high permeability nanocrystalline core material

中高频段高抑制率

Improved isolation through plastic case and winding spacer

对于射频及脉冲信号可以高稳定抑制

High interference stability against RF interference and burst signals

#### 应用

Application

电力电子

Power electronics

电源线输入输出滤波器

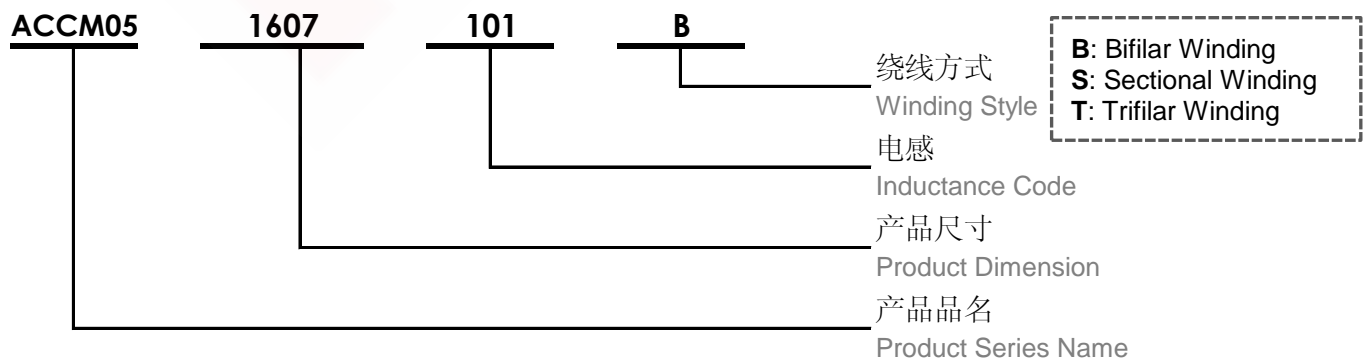
Power line in- and output filter

针对突发信号进行了优化

Optimized for burst signals

#### 产品品名介绍

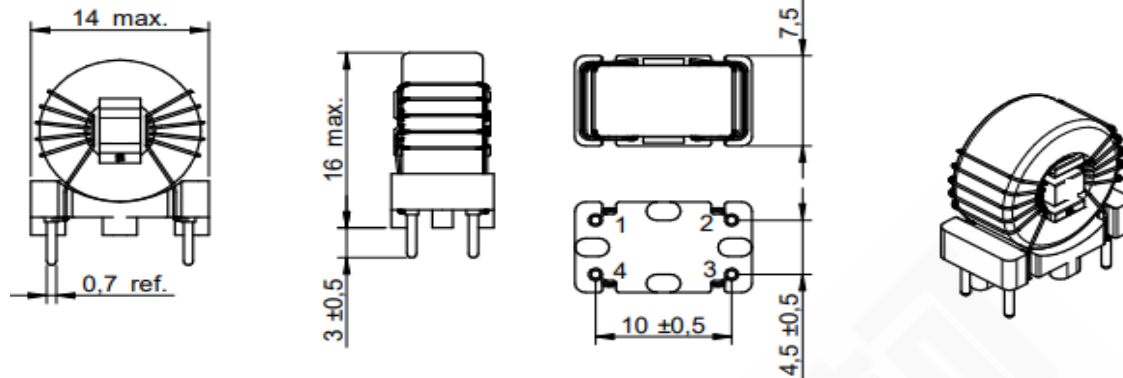
Product Number Structure





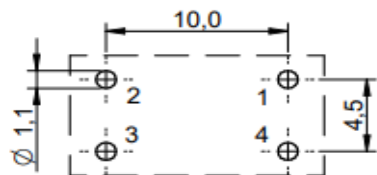
### 尺寸

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 DCResistance DCRmax (mΩ)	绕线方式 Winding Style	包装数量 Packaging Qty pcs
ACCM05-1419-113S	11.00 +50%/-30%	0.90	430	Sectional	300
ACCM05-1419-802S	8.00 +50%/-30%	1.00	330	Sectional	300
ACCM05-1419-502S	5.00 +50%/-30%	1.30	200	Sectional	300
ACCM05-1419-162S	1.60 +50%/-30%	2.00	90	Sectional	300
ACCM05-1419-102S	1.00 +50%/-30%	2.50	55	Sectional	300
ACCM05-1419-501S	0.50 +50%/-30%	3.50	33	Sectional	300
ACCM05-1419-401S	0.40 +50%/-30%	4.50	22	Sectional	300

### 测试状态

Test Condition

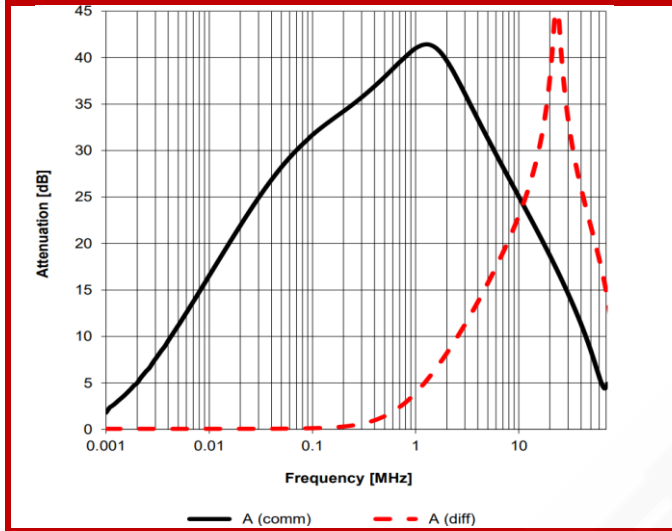
- ☆ 电感测试条件为 10kHz / 0.10mA (25°C)  
Inductance measure condition at 10kHz / 0.10mA (25°C)
- ☆ 工作温度: -40°C ~ +125°C  
Operating Temperature: -40°C ~ +125°C
- ☆ 额定电压 50Hz: 250V  
Rated Voltage 50Hz: 250V



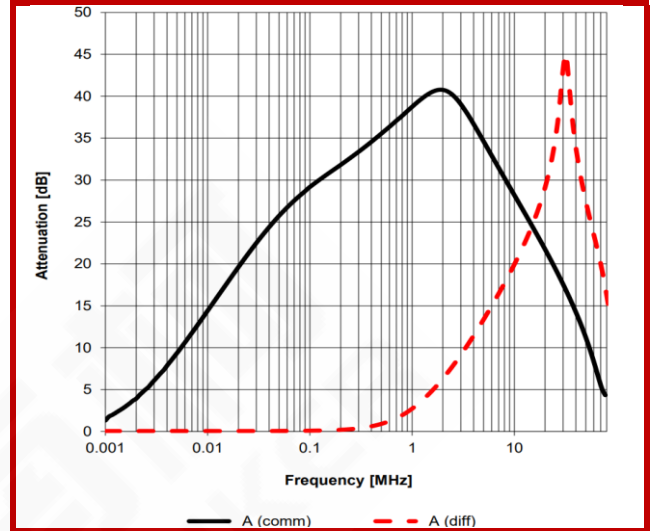
### 典型插入损耗

Typical Insert Loss

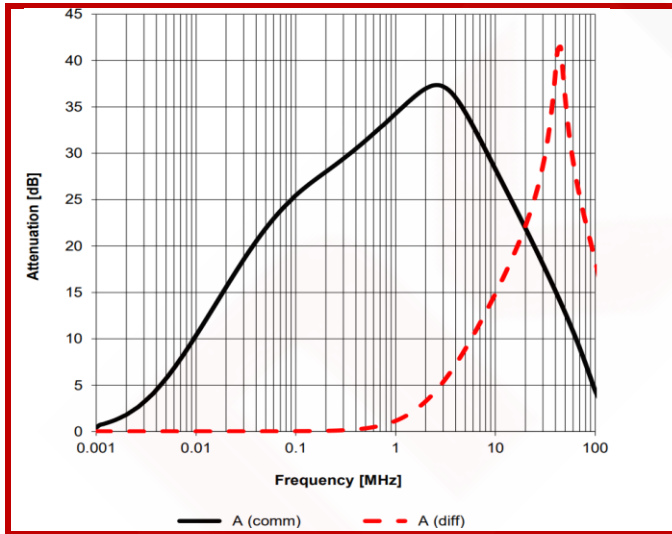
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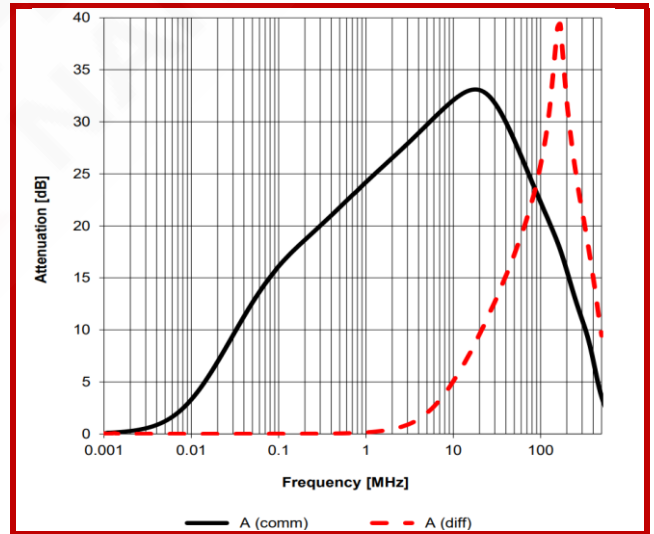
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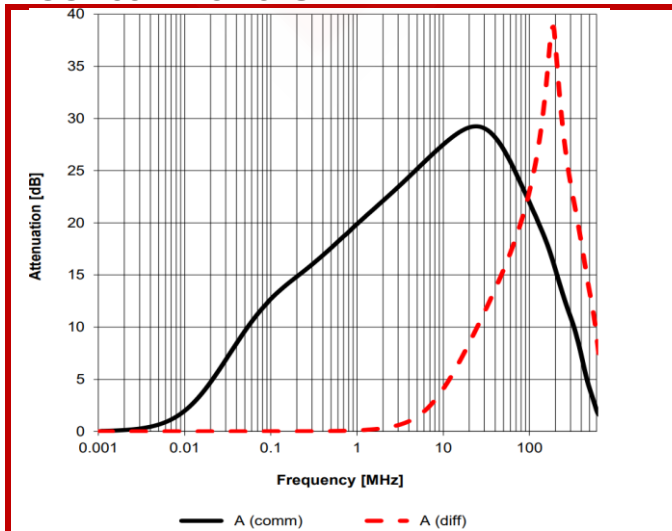
**ACCM05-1419-502S**



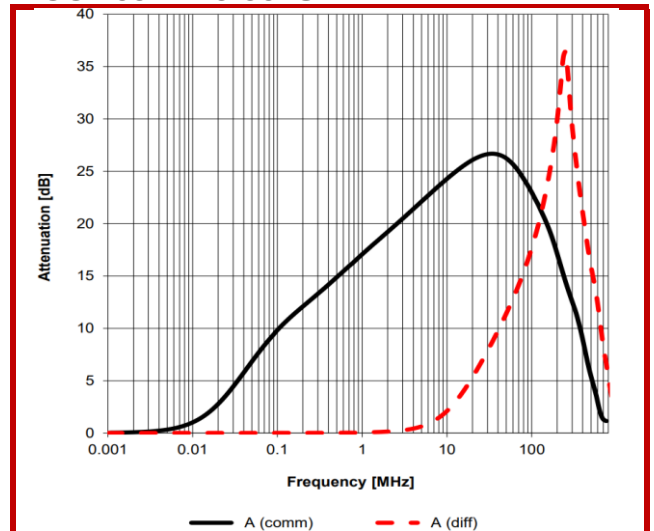
**ACCM05-1419-162S**

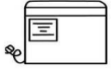


**ACCM05-1419-102S**



**ACCM05-1419-501S**

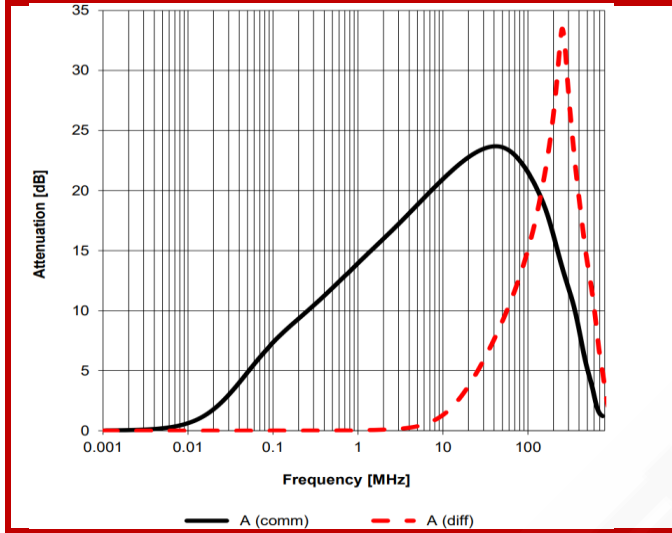




### 典型阻抗特性

Typical Impedance Characteristics

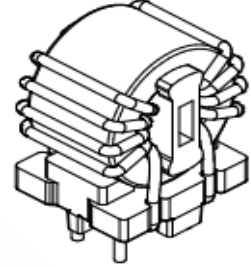
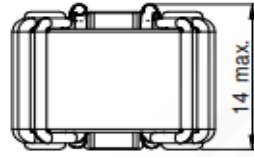
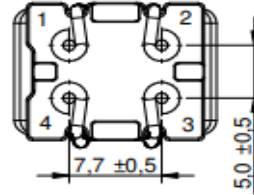
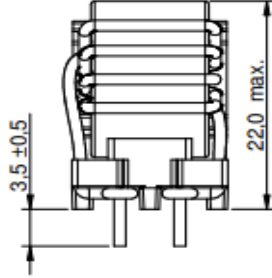
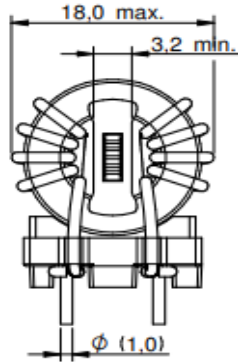
#### ACCM05-1419-401S





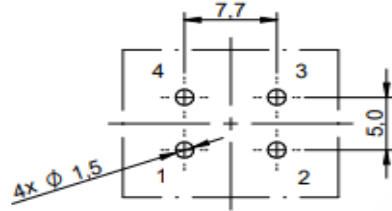
### 尺寸

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 (mΩ)	绕线方式 Winding Style	包装数量 Packaging Qty pcs
ACCM05-1825-803S	80.00 +50%/-30%	0.60	1,000	Sectional	40
ACCM05-1825-303S	30.00 +50%/-30%	1.20	280	Sectional	40
ACCM05-1825-103S	10.00 +50%/-30%	2.00	85	Sectional	40
ACCM05-1825-502S	5.00 +50%/-30%	3.00	40	Sectional	40
ACCM05-1825-302S	3.00 +50%/-30%	4.50	22	Sectional	40
ACCM05-1825-252S	2.50 +50%/-30%	5.00	15	Sectional	40
ACCM05-1825-152S	1.50 +50%/-30%	6.00	8	Sectional	40
ACCM05-1825-102S	1.00 +50%/-30%	7.00	6	Sectional	40

### 测试状态

Test Condition

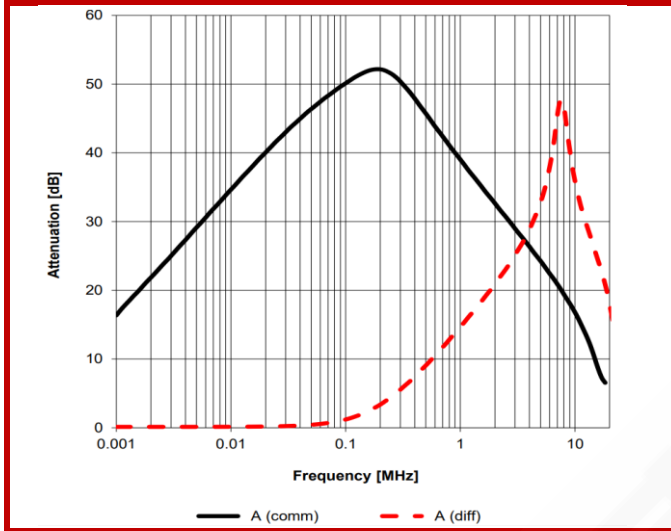
- ☆ 电感测试条件为 10kHz / 0.10mA (25°C)  
Inductance measure condition at 10kHz / 0.10mA (25°C)
- ☆ 工作温度: -40°C ~ +125°C  
Operating Temperature: -40°C ~ +125°C
- ☆ 额定电压 50Hz: 250V  
Rated Voltage 50Hz: 250V



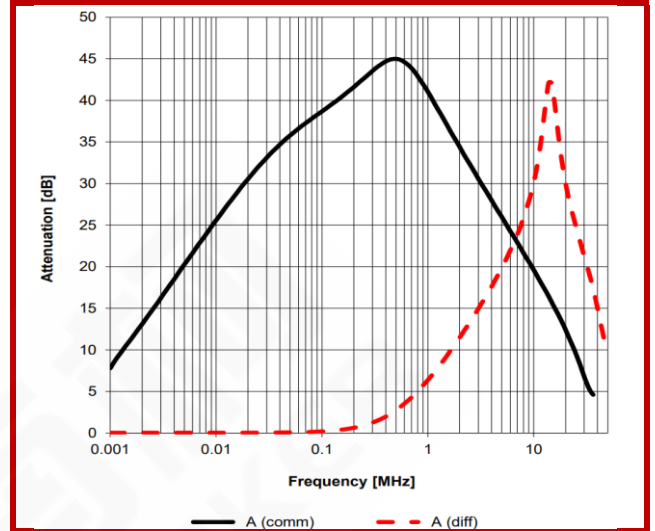
### 典型插入损耗

Typical Insert Loss

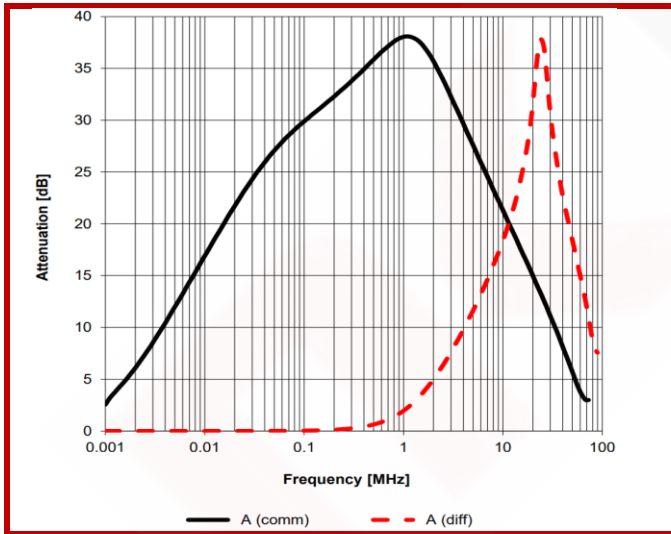
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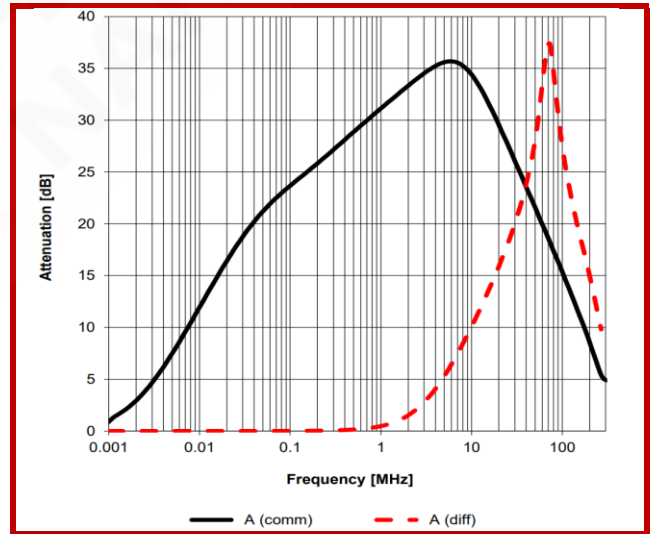
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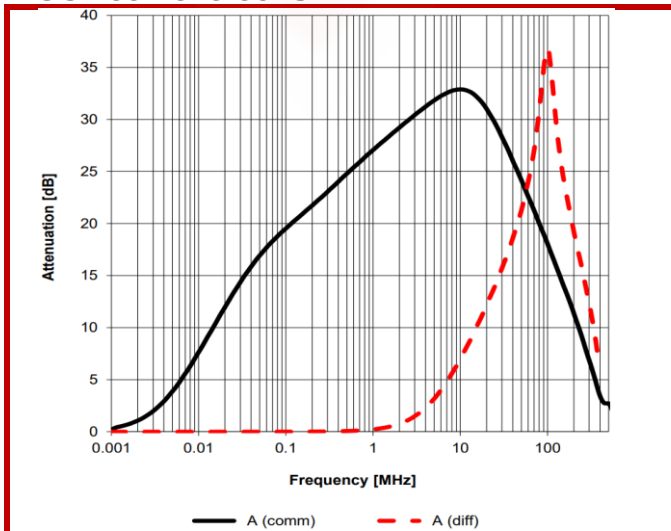
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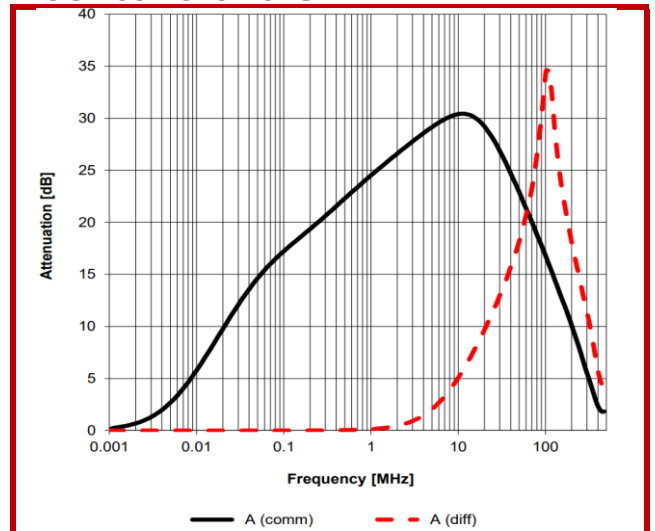
#### ACCM05-1825-502S

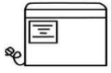


#### ACCM05-1825-302S



#### ACCM05-1825-252S

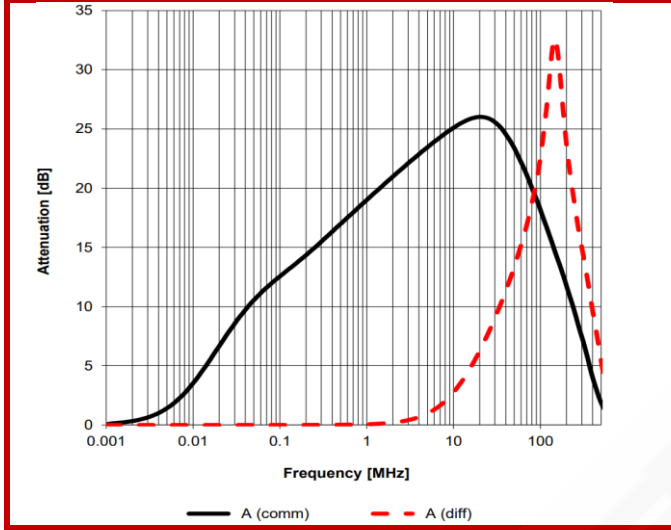




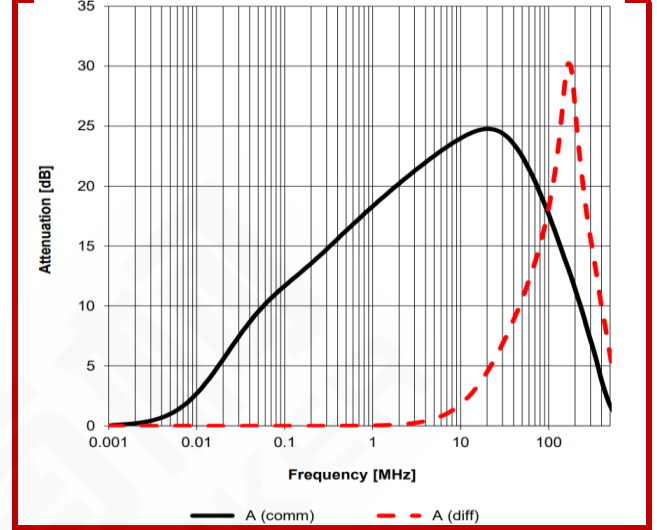
### 典型阻抗特性

Typical Impedance Characteristics

#### ACCM05-1825-152S



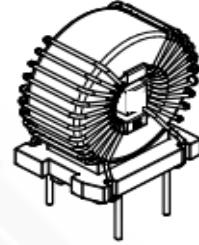
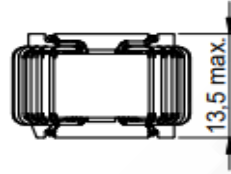
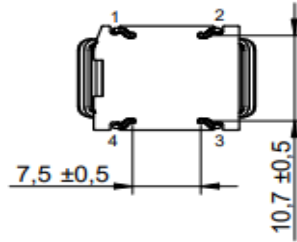
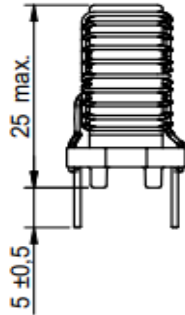
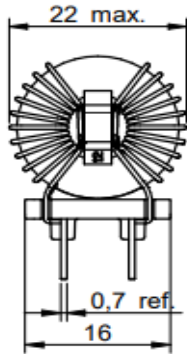
#### ACCM05-1825-102S





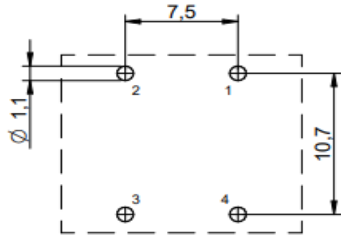
### 尺寸

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 (mΩ)	绕线方式 Winding Style	包装数量 Packaging Qty pcs
ACCM05-2230-333S	33.00 ±50%	2.50	90	Sectional	90
ACCM05-2230-173S	17.00 ±50%	4.00	50	Sectional	90
ACCM05-2230-902S	9.00 ±50%	5.00	28	Sectional	90
ACCM05-2230-202S	2.00 ±50%	10.00	6.00	Sectional	90
ACCM05-2230-102S	1.00 ±50%	15.00	3.30	Sectional	90

### 测试状态

Test Condition

- ☆ 电感测试条件为 10kHz / 0.10mA (25°C)  
Inductance measure condition at 10kHz / 0.10mA (25°C)
- ☆ 工作温度: -40°C ~ +125°C  
Operating Temperature: -40°C ~ +125°C
- ☆ 额定电压 50Hz: 250V  
Rated Voltage 50Hz: 250V

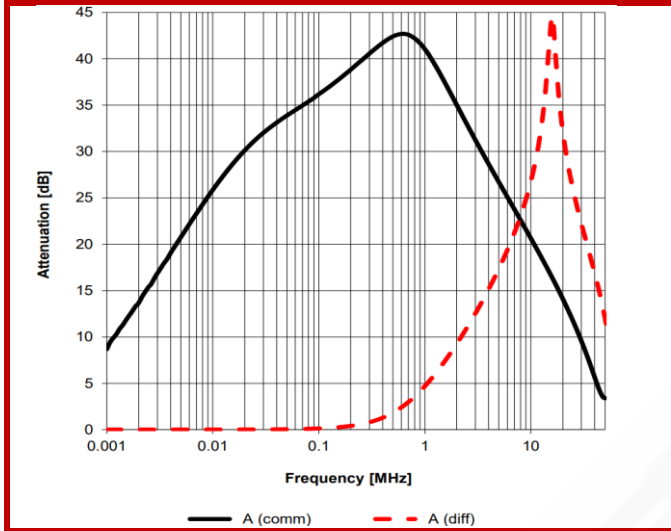




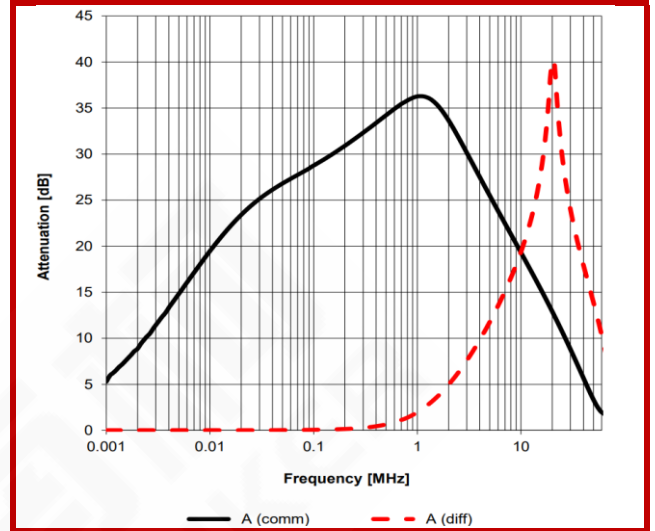
### 典型插入损耗

Typical Insert Loss

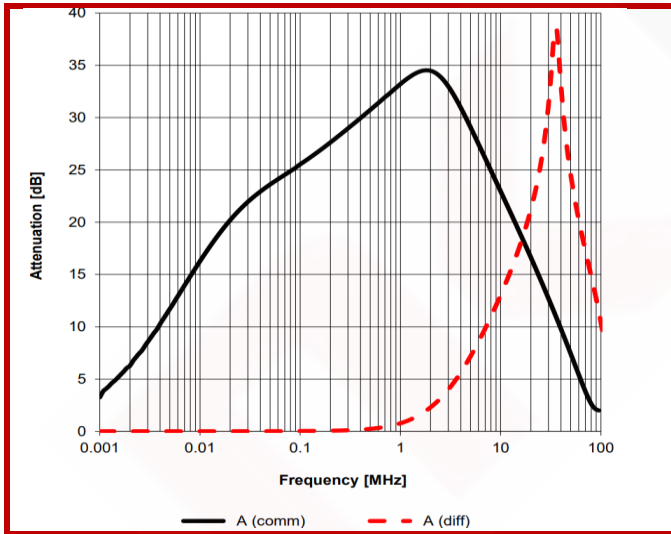
#### ACCM05-2230-333S



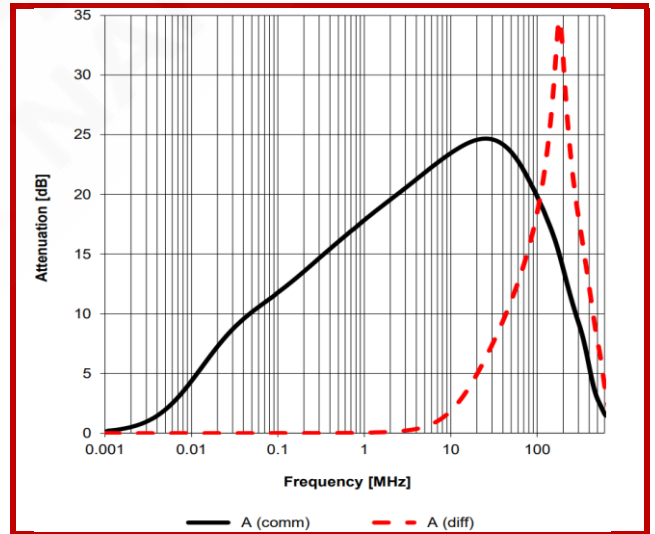
#### ACCM05-2230-173S



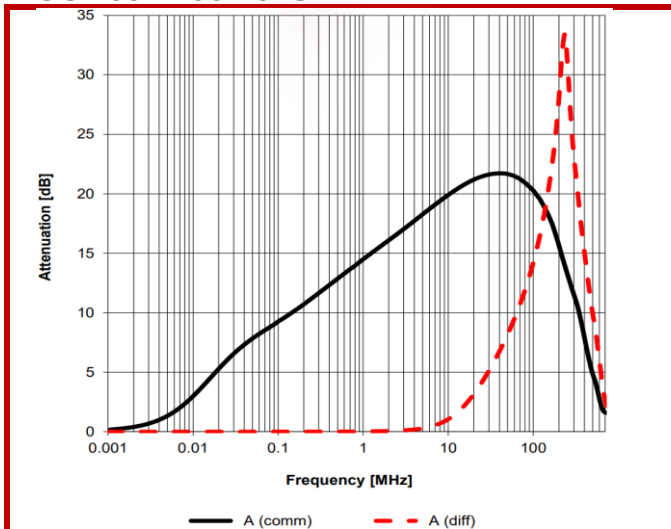
#### ACCM05-2230-902S



#### ACCM05-2230-202S



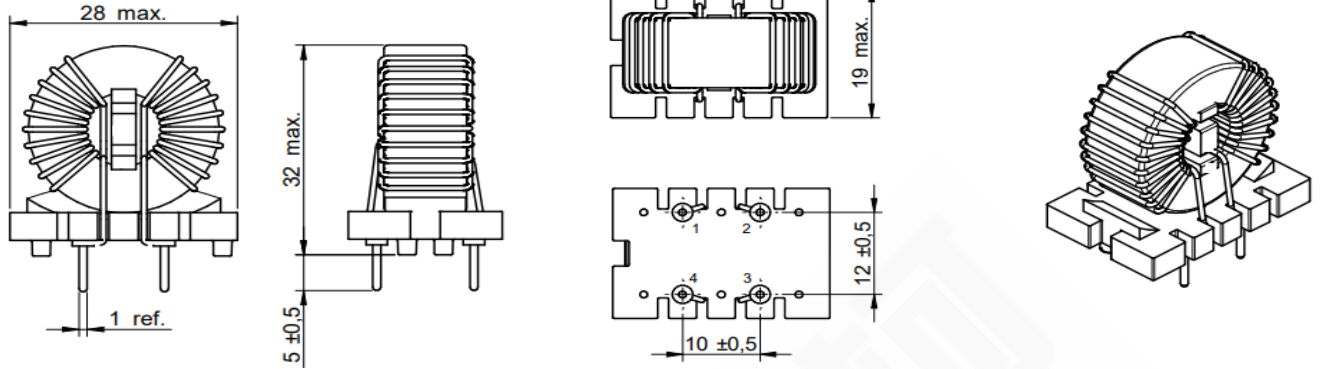
#### ACCM05-2230-102S





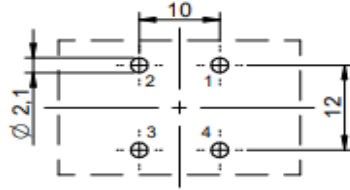
### 尺寸

Dimension (mm)



### 焊盘推荐

Land Pattern Recommended (mm)



### 示意图

Schematics



### 电性特性

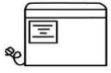
Electrical Properties

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 (mΩ)	绕线方式 Winding Style	包装数量 Packaging Qty pcs
ACCM05-2837-823S	82.00 +50%/-30%	2.50	170	Sectional	25
ACCM05-2837-353S	35.00 +50%/-30%	3.50	80	Sectional	25
ACCM05-2837-153S	15.00 +50%/-30%	5.00	38	Sectional	25
ACCM05-2837-702S	7.00 +50%/-30%	7.00	20	Sectional	25
ACCM05-2837-402S	4.00 +50%/-30%	11.00	8.50	Sectional	25
ACCM05-2837-202S	2.00 +50%/-30%	15.00	5.00	Sectional	25
ACCM05-2837-152S	1.50 +50%/-30%	18.00	3.20	Sectional	25
ACCM05-2837-102S	1.00 +50%/-30%	20.00	2.40	Sectional	25

### 测试状态

Test Condition

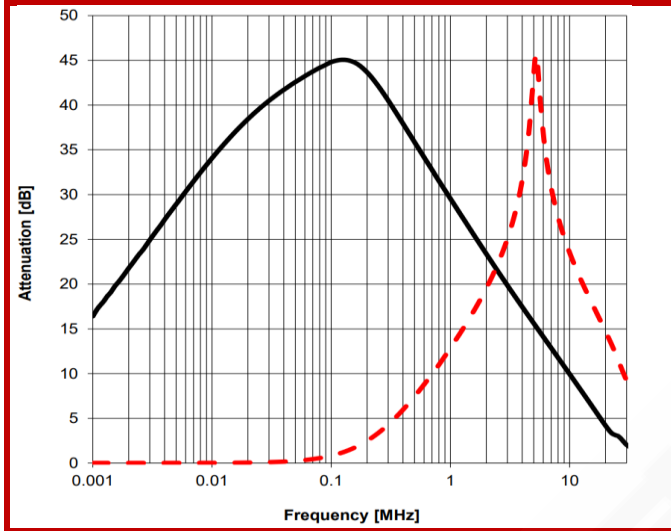
- ☆ 电感测试条件为 10kHz / 0.10mA (25°C)  
Inductance measure condition at 10kHz / 0.10mA (25°C)
- ☆ 工作温度: -40°C ~ +125°C  
Operating Temperature: -40°C ~ +125°C
- ☆ 额定电压 50Hz: 250V  
Rated Voltage 50Hz: 250V



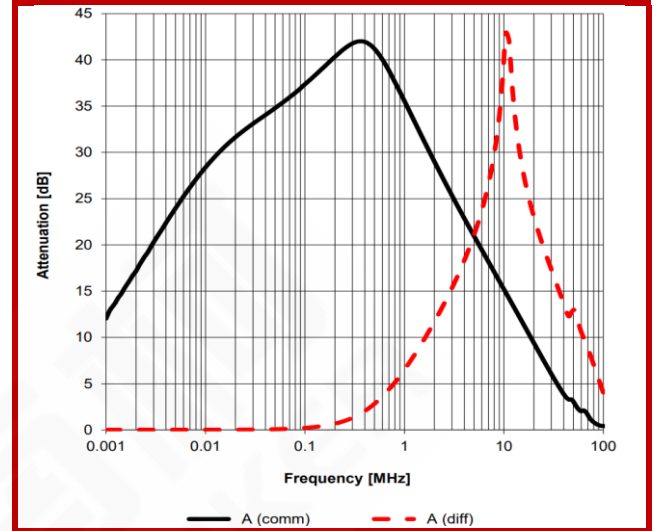
### 典型插入损耗

Typical Insert Loss

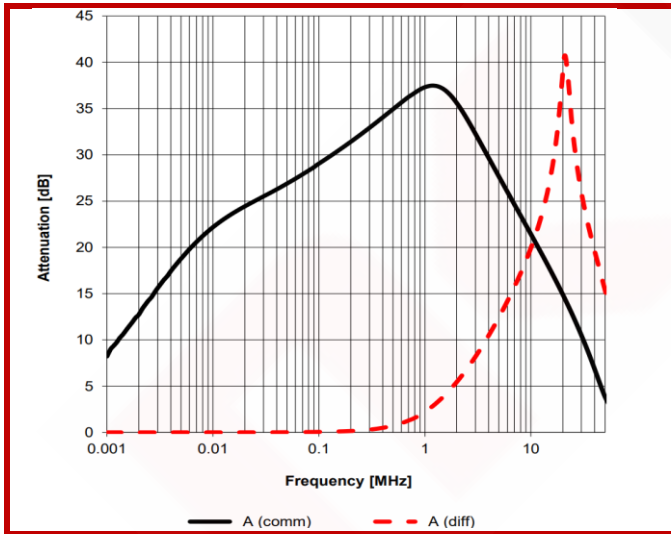
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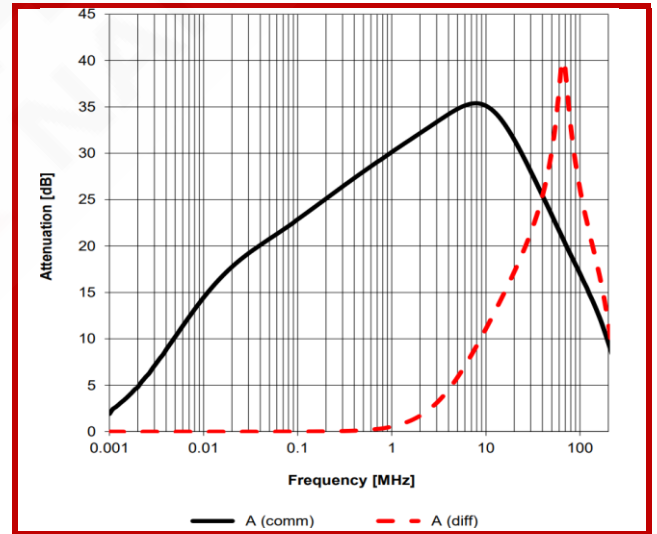
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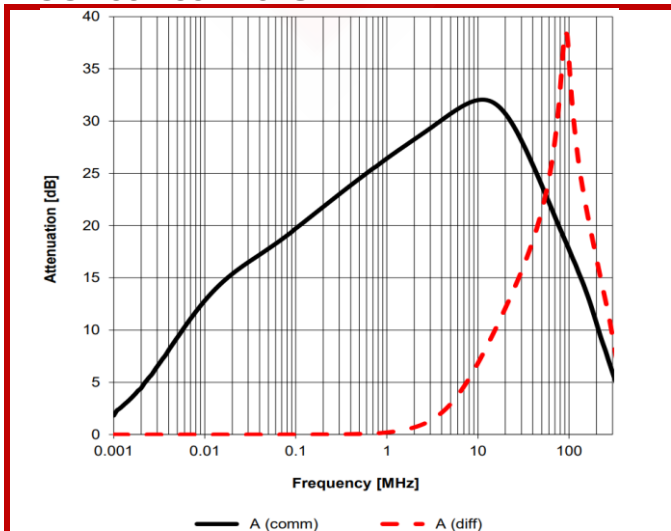
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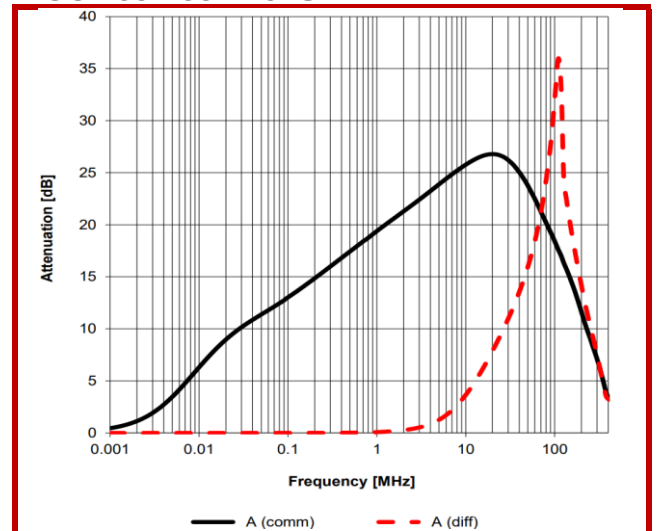
**ACCM05-2837-702S**

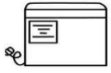


**ACCM05-2837-402S**



**ACCM05-2837-202S**

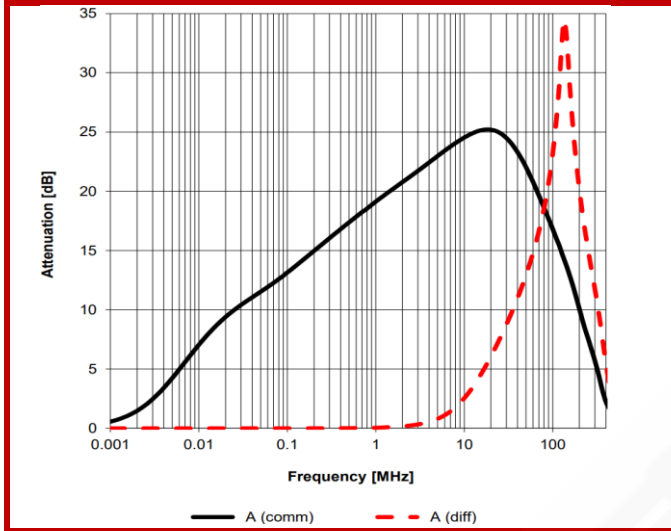




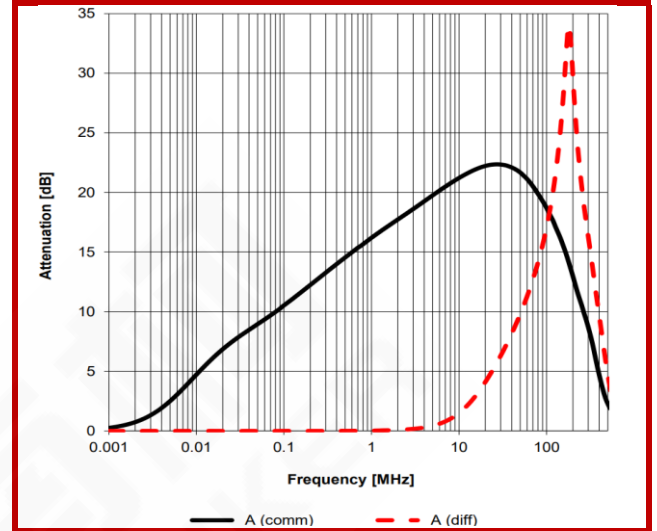
### 典型阻抗特性

Typical Impedance Characteristics

#### ACCM05-2837-152S

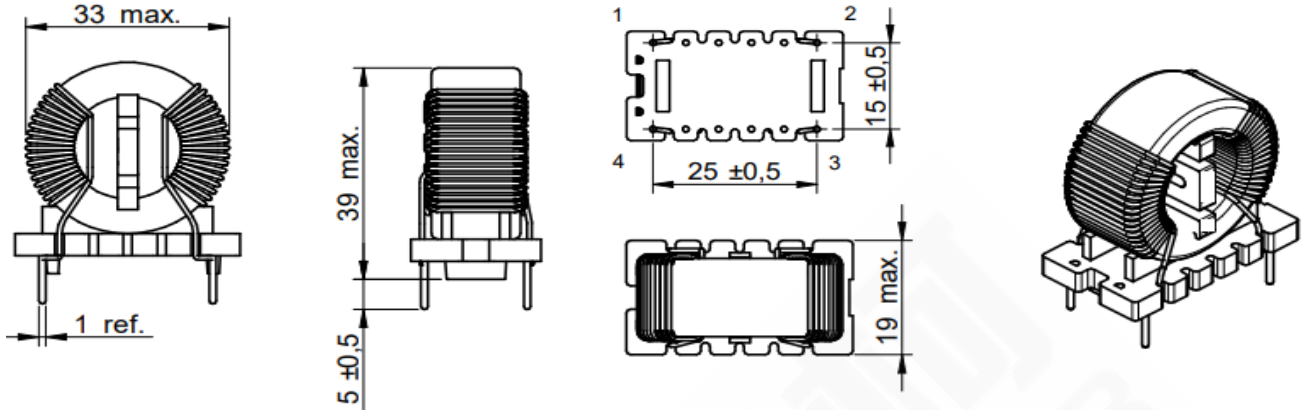


#### ACCM05-2837-102S





尺寸  
Dimension (mm)



焊盘推荐  
Land Pattern Recommended (mm)

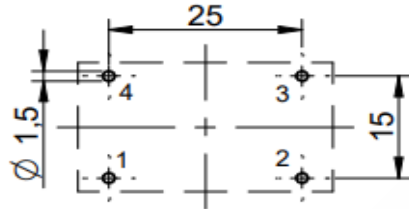


示意图  
Schematics



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 (mΩ)	绕线方式 Winding Style	包装数量 Packaging Qty pcs
ACCM05-3344-194S	190 +50%/-30%	2.00	310	Sectional	24
ACCM05-3344-903S	90 +50%/-30%	3.50	110	Sectional	24

### 测试状态

Test Condition

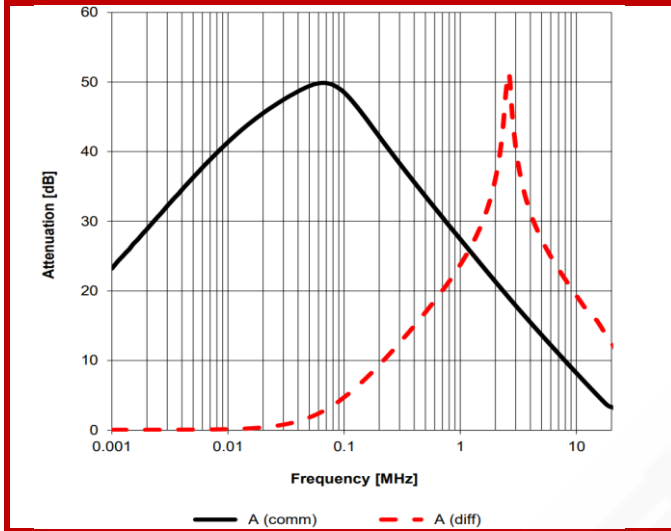
- ☆ 电感测试条件为 10kHz / 0.10mA (25°C)  
Inductance measure condition at 10kHz / 0.10mA (25°C)
- ☆ 工作温度: -40°C ~ +125°C  
Operating Temperature: -40°C ~ +125°C
- ☆ 额定电压 50Hz: 250V  
Rated Voltage 50Hz: 250V



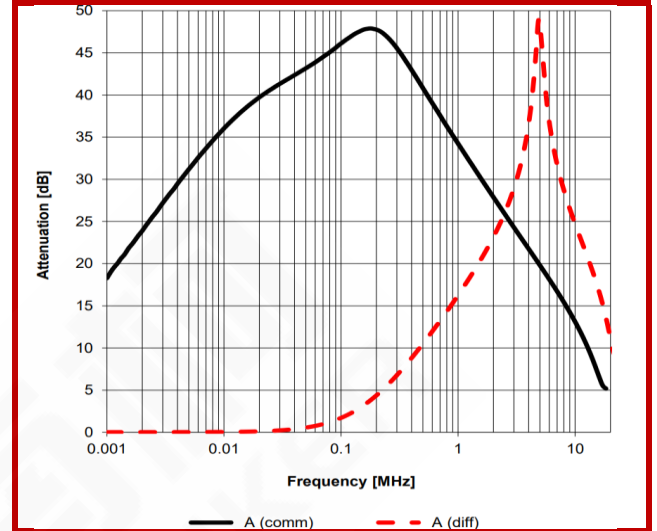
### 典型插入损耗

Typical Insert Loss

#### ACCM05-3344-194S



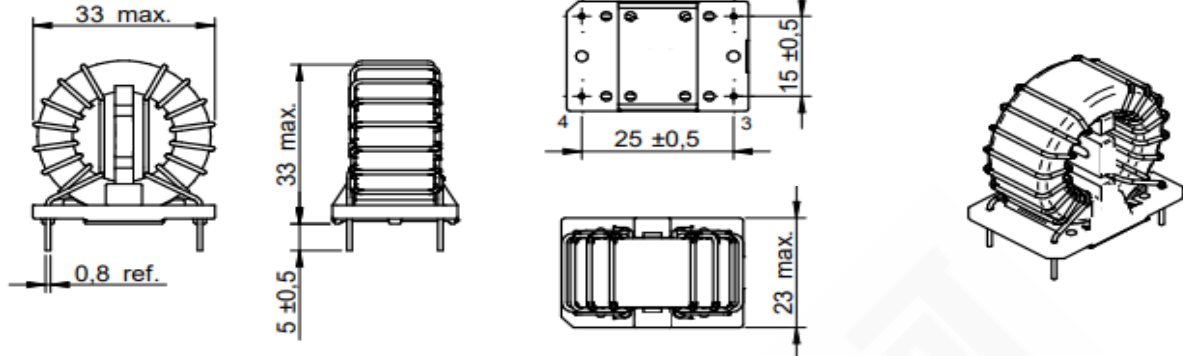
#### ACCM05-3344-903S





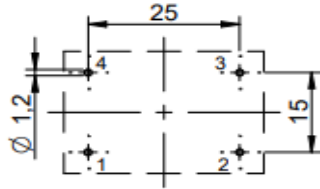
### 尺寸

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 (mΩ)	绕线方式 Winding Style	包装数量 Packaging Qty pcs
ACCM05-3338-303S	30.00 +50%/-30%	5.00	46.00	Sectional	24
ACCM05-3338-123S	12.00 +50%/-30%	10.00	15.00	Sectional	24
ACCM05-3338-702S	7.00 +50%/-30%	13.00	8.00	Sectional	24
ACCM05-3338-452S	4.50 +50%/-30%	18.00	4.20	Sectional	24
ACCM05-3338-302S	3.00 +50%/-30%	23.00	3.00	Sectional	24
ACCM05-3338-252S	2.50 +50%/-30%	25.00	2.20	Sectional	24
ACCM05-3338-902S	9.00 +50%/-30%	32.00	1.10	Sectional	24

### 测试状态

Test Condition

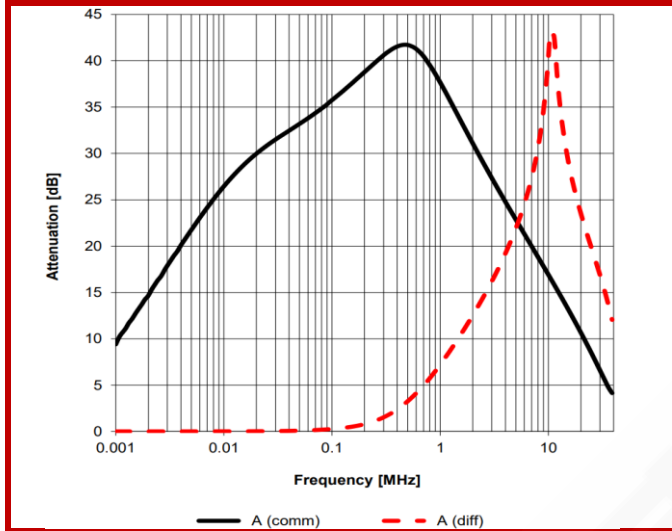
- ☆ 电感测试条件为 10kHz / 0.10mA (25°C)  
Inductance measure condition at 10kHz / 0.10mA (25°C)
- ☆ 工作温度: -40°C ~ +125°C  
Operating Temperature: -40°C ~ +125°C
- ☆ 额定电压 50Hz: 250V  
Rated Voltage 50Hz: 250V



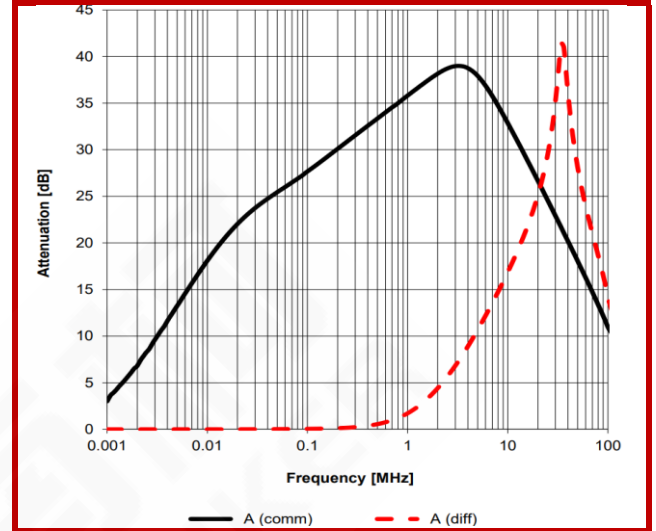
### 典型插入损耗

Typical Insert Loss

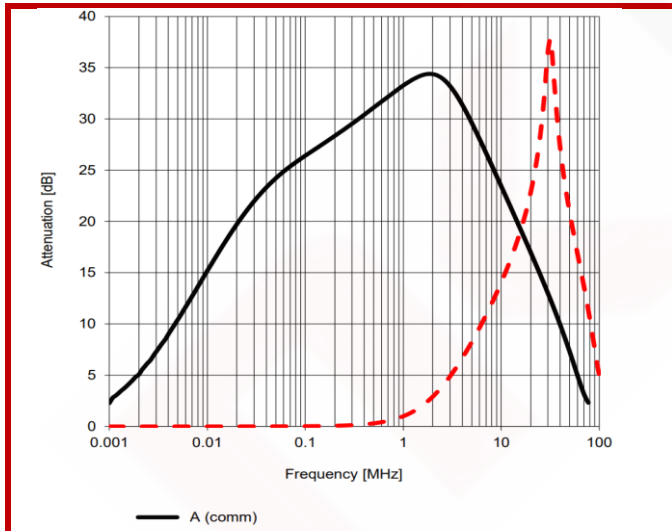
**ACCM05-3338-303S**



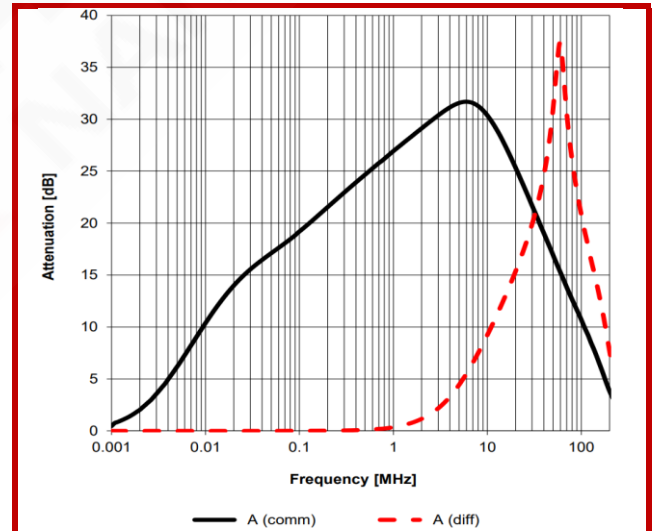
**ACCM05-3338-123S**



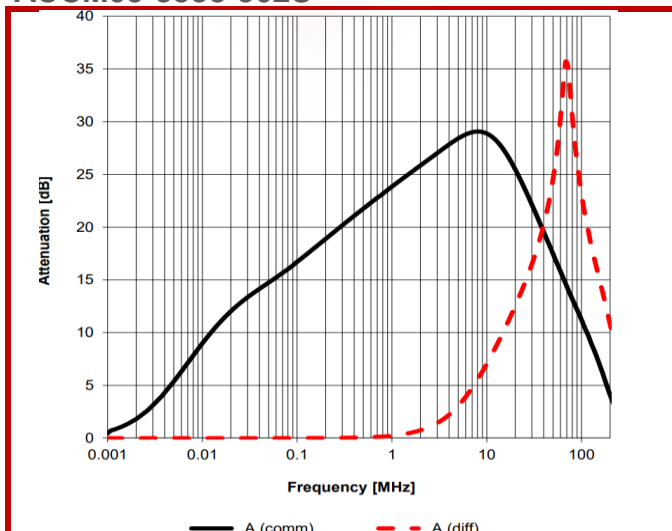
**ACCM05-3338-702S**



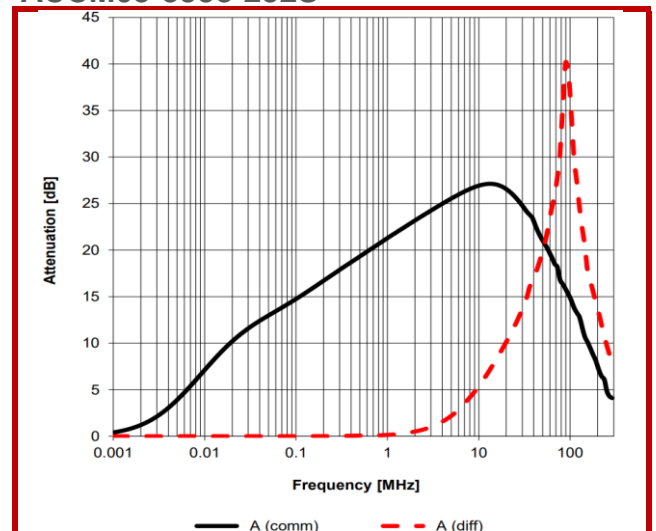
**ACCM05-3338-452S**



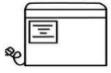
**ACCM05-3338-302S**



**ACCM05-3338-252S**



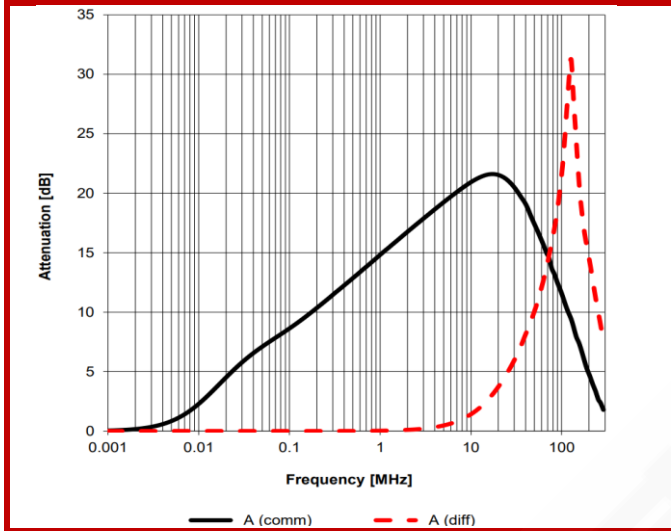




### 典型插入损耗

Typical Insert Loss

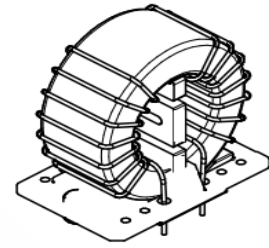
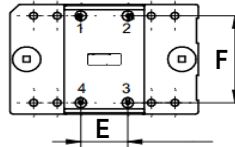
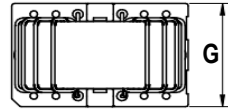
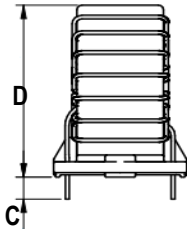
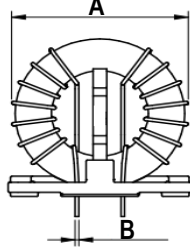
#### ACCM05-3338-902S





### 尺寸

Dimension (mm)

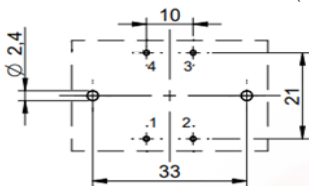


型号 Part No.	尺寸 (Dimension) mm						
	A	B	C	D	E	F	G
ACCM05-4227-353S	42.00max	∅0.80ref	5.00±0.50	46.00max	10.00±0.50	21.00±0.50	27.00max
ACCM05-4227-203S	42.00max	∅1.00ref	5.00±0.50	46.00max	10.00±0.50	21.00±0.50	27.00max
ACCM05-4327-143S	43.00max	∅1.20ref	5.00±0.50	46.00max	10.00±0.50	21.00±0.50	27.00max
ACCM05-4427-902S	44.00max	∅1.50ref	5.00±0.50	46.00max	10.00±0.50	21.00±0.50	27.00max
ACCM05-4627-702S	46.00max	∅1.80ref	5.00±0.50	46.00max	10.00±0.50	21.00±0.50	27.00max
ACCM05-4627-502S	46.00max	∅2.00ref	5.00±0.50	46.00max	10.00±0.50	21.00±0.50	27.00max
ACCM05-4727-302S	47.00max	∅2.20ref	5.00±0.50	46.00max	10.00±0.50	21.00±0.50	27.00max



### 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 (mΩ)	绕线方式 Winding Style	包装数量 Packaging Qty pcs
ACCM05-4227-353S	35.00 +50%/-30%	5.00	90.00	Sectional	15
ACCM05-4227-203S	20.00 +50%/-30%	6.00	45.00	Sectional	15
ACCM05-4327-143S	14.00 +50%/-30%	8.00	27.00	Sectional	15
ACCM05-4427-902S	9.00 +50%/-30%	13.00	15.00	Sectional	15
ACCM05-4627-702S	7.00 +50%/-30%	15.00	9.50	Sectional	15
ACCM05-4627-502S	5.00 +50%/-30%	21.00	6.50	Sectional	15
ACCM05-4727-302S	3.00 +50%/-30%	26.00	4.50	Sectional	15

### 测试状态

Test Condition

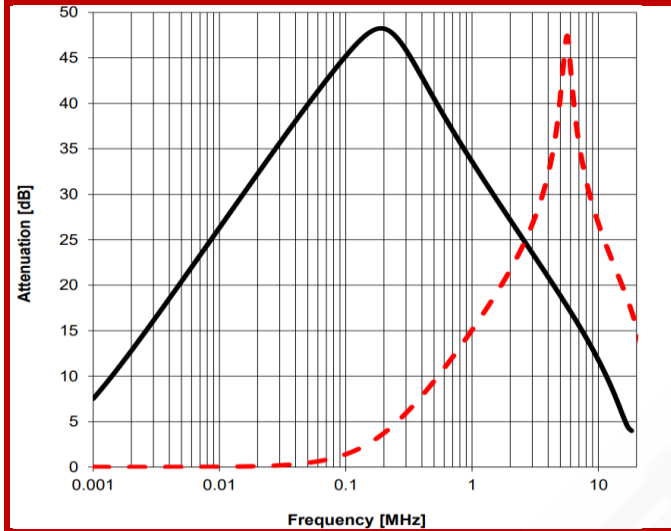
- ☆ 电感测试条件为 10kHz / 0.10mA (25°C)  
Inductance measure condition at 10kHz / 0.10mA (25°C)
- ☆ 工作温度: -40°C ~ +125°C  
Operating Temperature: -40°C ~ +125°C
- ☆ 额定电压 50Hz: 250V  
Rated Voltage 50Hz: 250V



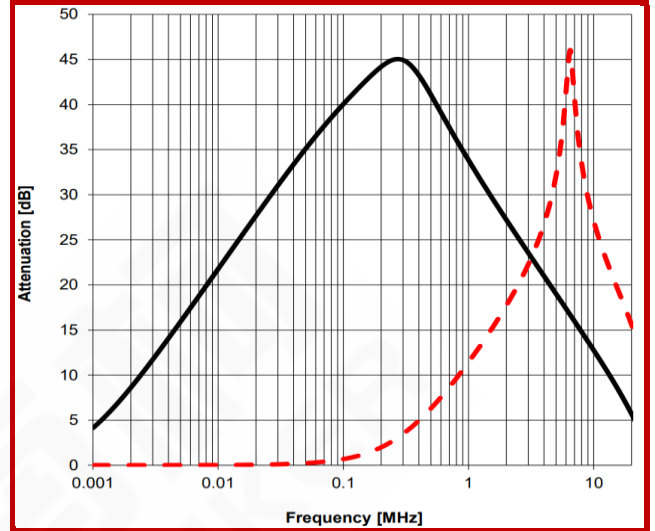
### 典型插入损耗

Typical Insert Loss

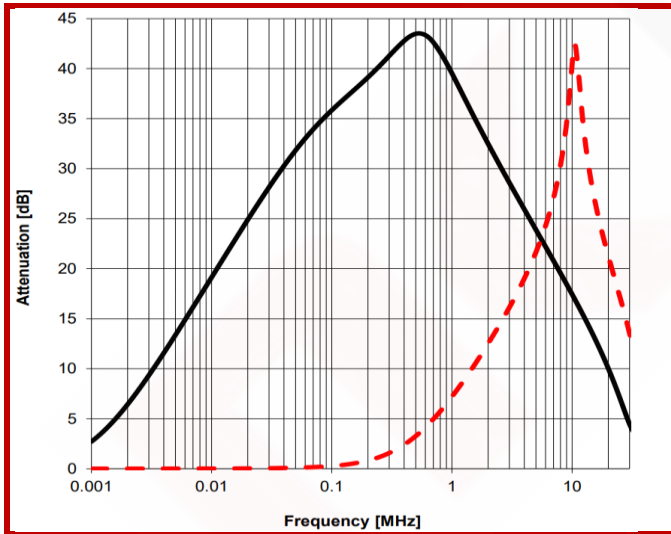
#### ACCM05-4227-353S



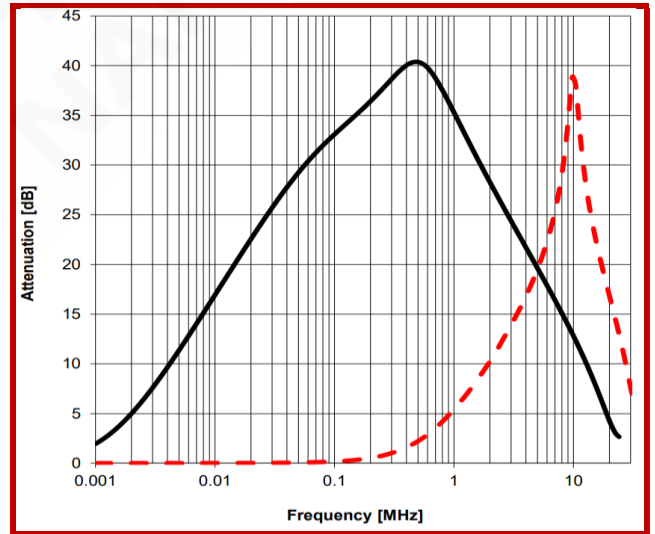
#### ACCM05-4227-203S



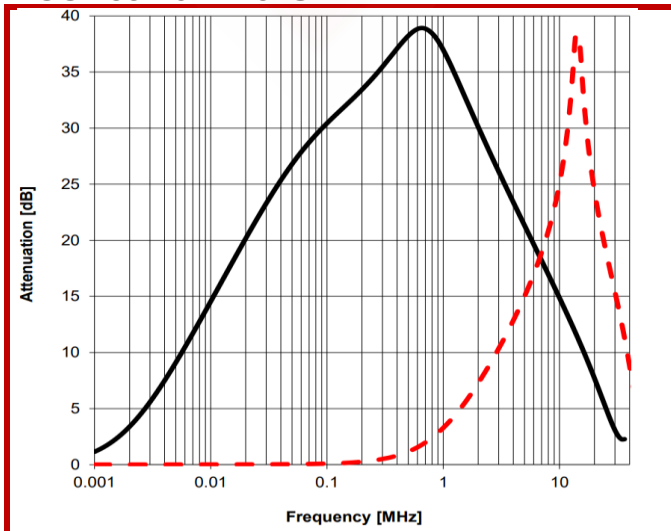
#### ACCM05-4327-143S



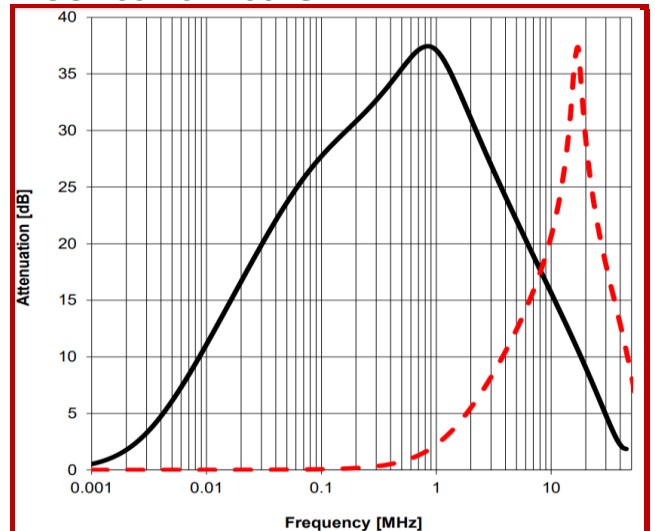
#### ACCM05-4427-902S

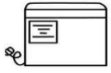


#### ACCM05-4627-702S



#### ACCM05-4627-502S

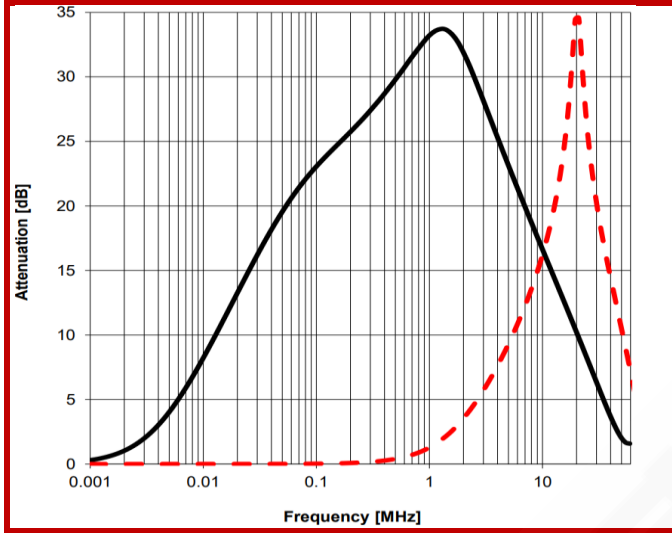




### 典型插入损耗

Typical Insert Loss

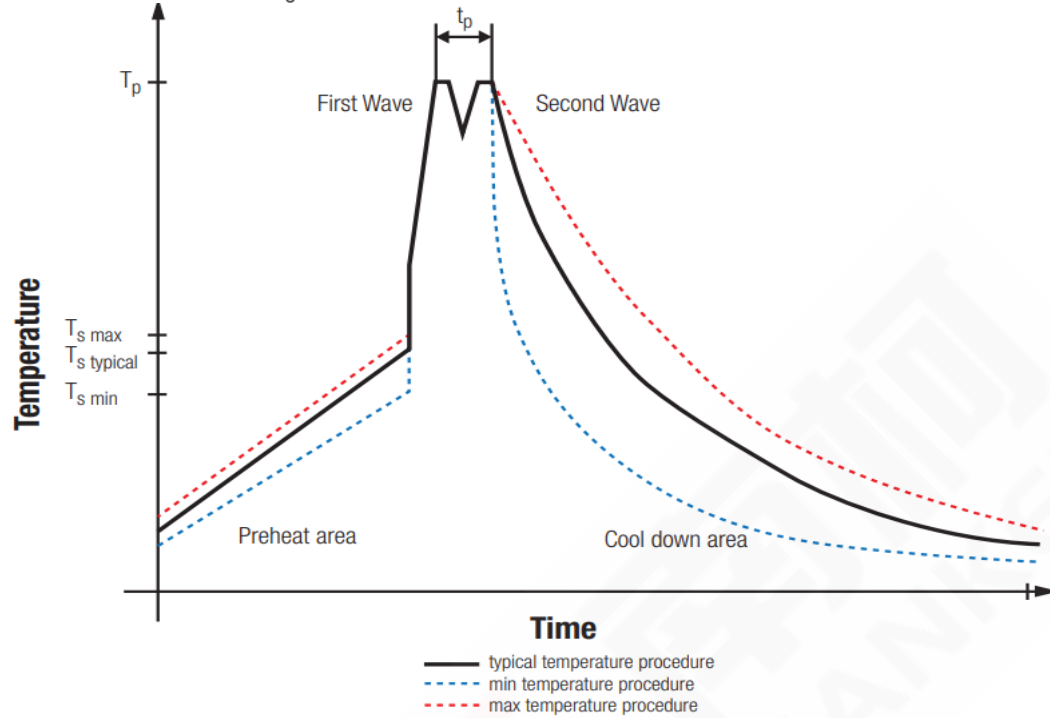
#### ACCM05-4727-302S





### 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	$T_{s \text{ min}}$	100°C	100°C
Preheat Temperature Typical	$T_{s \text{ typical}}$	120°C	120°C
Preheat Temperature Max	$T_{s \text{ max}}$	130°C	130°C
Preheat Time $t_s$ from $T_{s \text{ min}}$ to $T_{s \text{ max}}$	$t_s$	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	~ 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