

OZEKI

扁平线SQ型共模电感

Flat line SQ common mode inductor

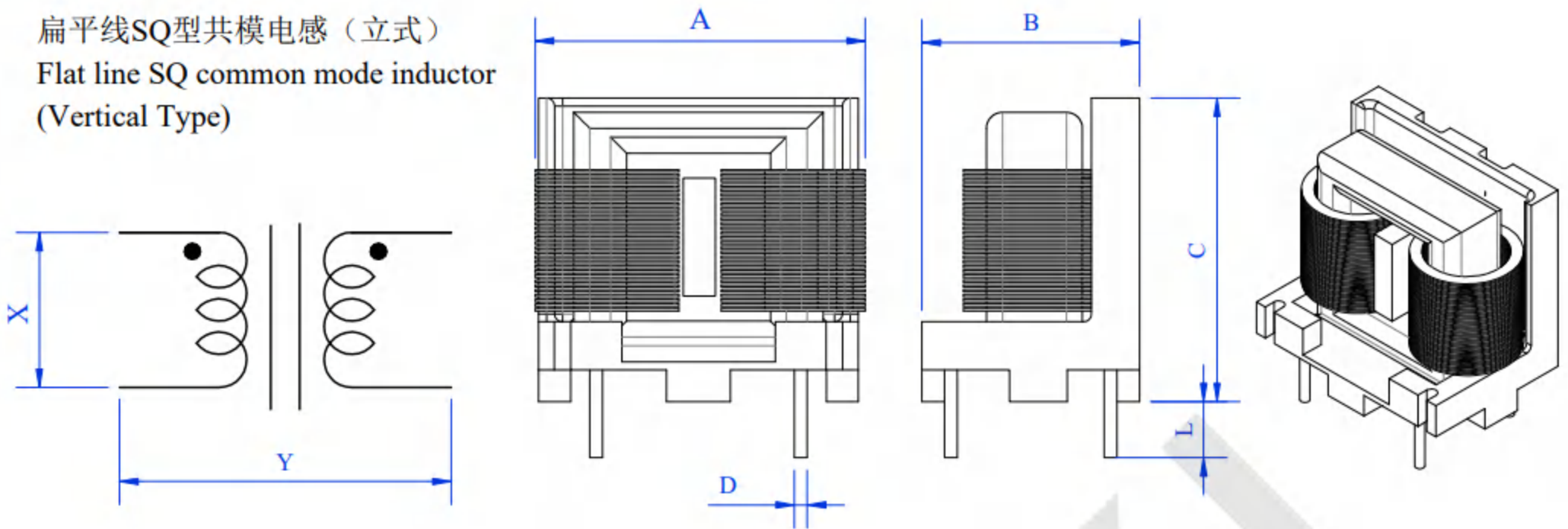
扁平线SQ型共模电感相对于传统电感具有如下优势：

Flat line SQ common mode inductor has the following advantages compared with traditional inductors:

- 小体积，大电流，散热好，单位电流密度为圆铜线的1.3倍以上
Small volume, large current, good heat dissipation ,unit current density is more than 1.3 times of round copper wire
- 低直流电阻，分布电容极小，自谐振频率高
Low DC resistance, minimal distributed capacitance,High Self-resonant frequency
- 闭合磁路，磁力泄露小，EMI效果理想
Closed magnetic circuit, magnetic leakage is small, EMI effect is ideal
- 采用全自动机器绕线，排线整齐，不交叉，生产效率高，产品一致性和品质稳定性更高
Automatic winding machine, neat line arrangement, no cross, high production efficiency, product consistency and quality stability
- 绝缘强度高，可延长电源使用寿命
High insulation strength, can prolong the service life of the power supply
- 立式占有面积小，卧式高度低
Vertical type occupy smaller area, horizontal type has a lower height

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扁平线SQ型共模电感（立式）
Flat line SQ common mode inductor
(Vertical Type)



型号/ Part No	电感量 Inductance mH(MIN) ⊕	直流电阻 DCR mΩ±15% ⊕	额定电流 Rating Current A(TA=50°C) ⊕	谐振频率 SRF KHz	X (mm)	Y (mm)	A (mm)	B (mm)	C (mm)	D (mm)	L (mm)
SQ10C-01007-10-V	3.3	157	0.8	1000	5.8	7.0	13.2	8.10	12.4	0.7	3.5
SQ10C-01007-12-V	4.0	157	0.8	1700	5.8	7.0	13.2	8.10	12.4	0.7	3.5
SQ12C-01010-10-V	12	216	1.2	850	8.0	11.0	17.0	10.6	16.3	0.7	3.5
SQ12C-01310-10-V	8.0	136	1.5	900	8.0	11.0	17.0	10.6	16.3	0.7	3.5
SQ12C-01510-10-V	6.3	104	1.8	920	8.0	11.0	17.0	10.6	16.3	0.7	3.5
SQ12C-02010-10-V	3.8	64	2.4	1000	8.0	11.0	17.0	10.6	16.3	0.7	3.5
SQ12C-01010-12-V	13.6	216	1.2	700	8.0	11.0	17.0	10.6	16.3	0.7	3.5
SQ12C-01310-12-V	9.1	136	1.5	800	8.0	11.0	17.0	10.6	16.3	0.7	3.5
SQ12C-01510-12-V	7.1	104	1.8	850	8.0	11.0	17.0	10.6	16.3	0.7	3.5
SQ12C-02010-12-V	4.4	64	2.4	900	8.0	11.0	17.0	10.6	16.3	0.7	3.5
SQ15C-01010-10-V	20.2	307	1.2	500	10.0	12.8	19.8	13.4	18.7	0.8	3.5
SQ15C-01310-10-V	14.1	197	1.5	550	10.0	12.8	19.8	13.4	18.7	0.8	3.5
SQ15C-01510-10-V	11.2	154	1.8	600	10.0	12.8	19.8	13.4	18.7	0.8	3.5
SQ15C-01810-10-V	9.1	111	2.1	700	10.0	12.8	19.8	13.4	18.7	0.8	3.5
SQ15C-02010-10-V	7.1	90	2.4	800	10.0	12.8	19.8	13.4	18.7	0.8	3.5
SQ15C-01010-12-V	20.6	307	1.2	500	10.0	12.8	19.8	13.4	18.7	0.8	3.5
SQ15C-01310-12-V	14.4	197	1.5	530	10.0	12.8	19.8	13.4	18.7	0.8	3.5
SQ15C-01510-12-V	11.5	154	1.8	580	10.0	12.8	19.8	13.4	18.7	0.8	3.5
SQ15C-01810-12-V	9.3	111	2.1	670	10.0	12.8	19.8	13.4	18.7	0.8	3.5
SQ15C-02010-12-V	7.3	90	2.4	750	10.0	12.8	19.8	13.4	18.7	0.8	3.5
SQ19C-01515-10-V	16.1	131	2.7	500	10.0	13.0	23.2	13.6	24.6	0.8	3.5
SQ19C-01815-10-V	12.1	89	3.2	550	10.0	13.0	23.2	13.6	24.6	0.8	3.5
SQ19C-02015-10-V	10.8	81	3.6	600	10.0	13.0	23.2	13.6	24.6	0.8	3.5

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扁平线SQ型共模电感（立式）

Flat line SQ common mode inductor

(Vertical Type)

型号/ Part No	电感量 Inductance mH(MIN) ①	直流电阻 DCR mΩ±15% ②	额定电流 Rating Current A(TA=50°C) ③	谐振频率 SRF KHz	X (mm)	Y (mm)	A (mm)	B (mm)	C (mm)	D (mm)	L (mm)
SQ19C-02515-10-V	7.5	56	4.5	700	10.0	13.0	23.2	13.6	24.6	0.8	3.5
SQ19C-03015-10-V	6.1	38	5.4	800	10.0	13.0	23.2	13.6	24.6	0.8	3.5
SQ19C-03515-10-V	4.0	27	6.3	850	10.0	13.0	23.2	13.6	24.6	0.8	3.5
SQ19C-04015-10-V	3.2	23	7.2	1000	10.0	13.0	23.2	13.6	24.6	0.8	3.5
SQ19C-01515-12-V	17.9	131	2.7	500	10.0	13.0	23.2	13.6	24.6	0.8	3.5
SQ19C-01815-12-V	13.5	89	3.2	500	10.0	13.0	23.2	13.6	24.6	0.8	3.5
SQ19C-02015-12-V	12.0	81	3.6	600	10.0	13.0	23.2	13.6	24.6	0.8	3.5
SQ19C-02515-12-V	8.4	56	4.5	700	10.0	13.0	23.2	13.6	24.6	0.8	3.5
SQ19C-03015-12-V	6.2	38	5.4	750	10.0	13.0	23.2	13.6	24.6	0.8	3.5
SQ19C-03515-12-V	4.4	27	6.3	800	10.0	13.0	23.2	13.6	24.6	0.8	3.5
SQ19C-04015-12-V	3.6	23	7.2	900	10.0	13.0	23.2	13.6	24.6	0.8	3.5

- ① 电感量测试条件为10kHz 0.1V
Inductance test condition is 10kHz 0.1V
- ② 直流电阻在25°C条件下测试
DCR test ambient temperature is 25°C
- ③ 在额定电流条件下，产品温升不超过45°C
Under the rated current, the temperature rise is not more than 45°C
- ④ 额定电压及频率：250V 50/60Hz
Rating voltage and frequency: 250V 50/60Hz
- ⑤ 耐电压测试：2000V 50/60Hz 2s
Hipot: 2000V 50/60Hz 2s
- ⑥ 绝缘电阻：100MΩ Min @500Vdc
Insulation Resistance: 100MΩ Min @500Vdc

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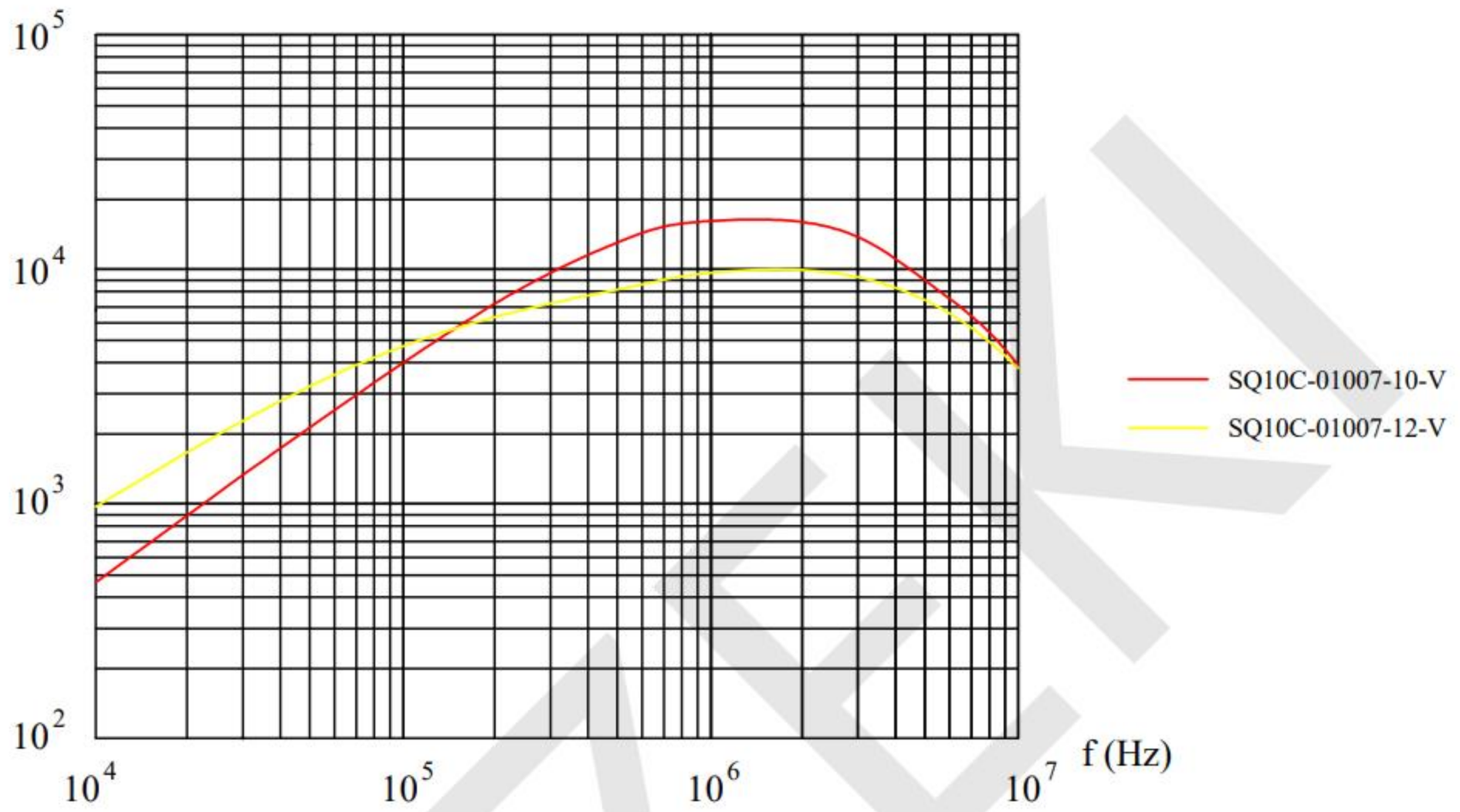
扁平线SQ型共模电感（立式）

Flat line SQ common mode inductor (Vertical Type)

频率阻抗特性曲线

Impedance frequency characteristic curve

$|Z|$ ohm



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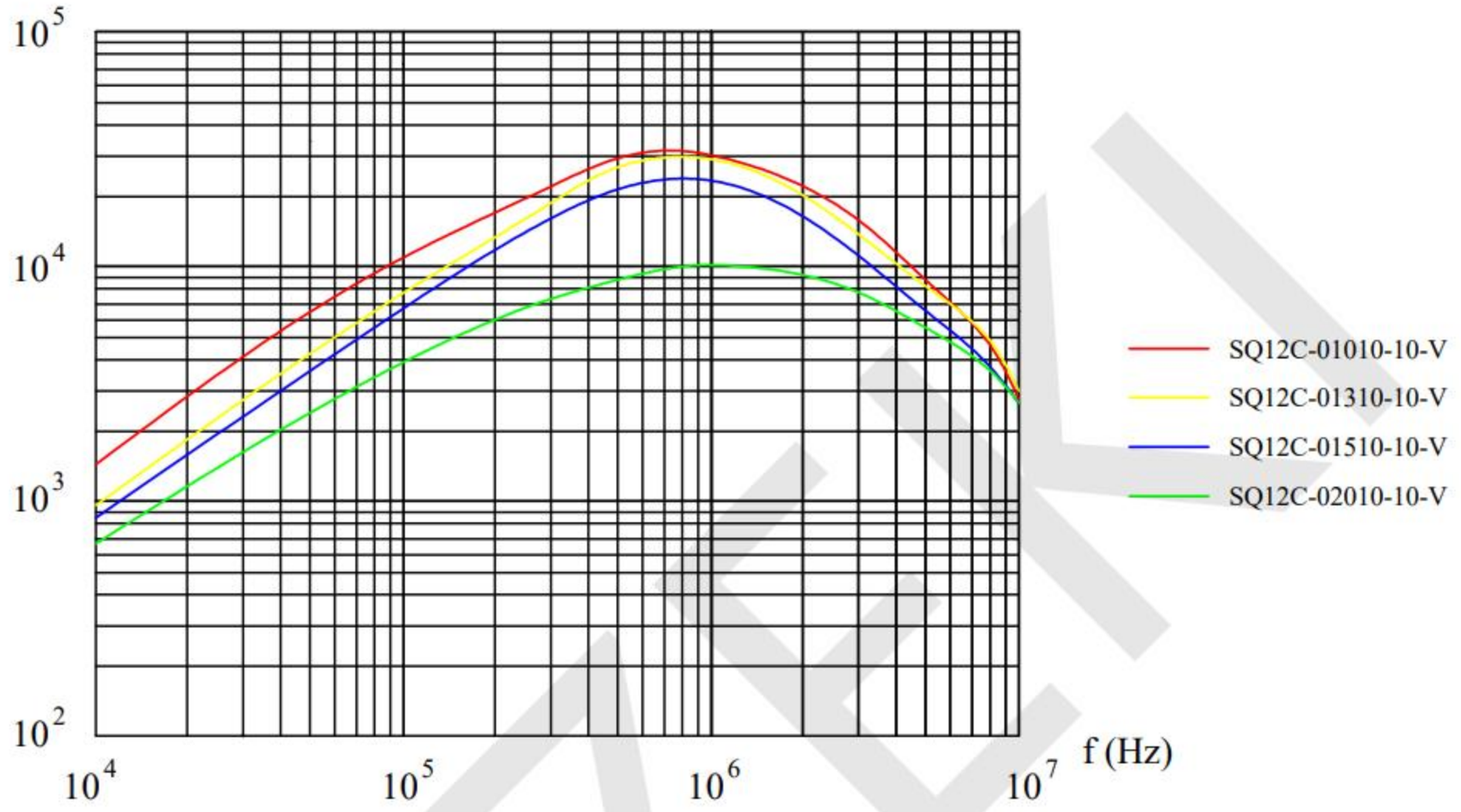
扁平线SQ型共模电感（立式）

Flat line SQ common mode inductor (Vertical Type)

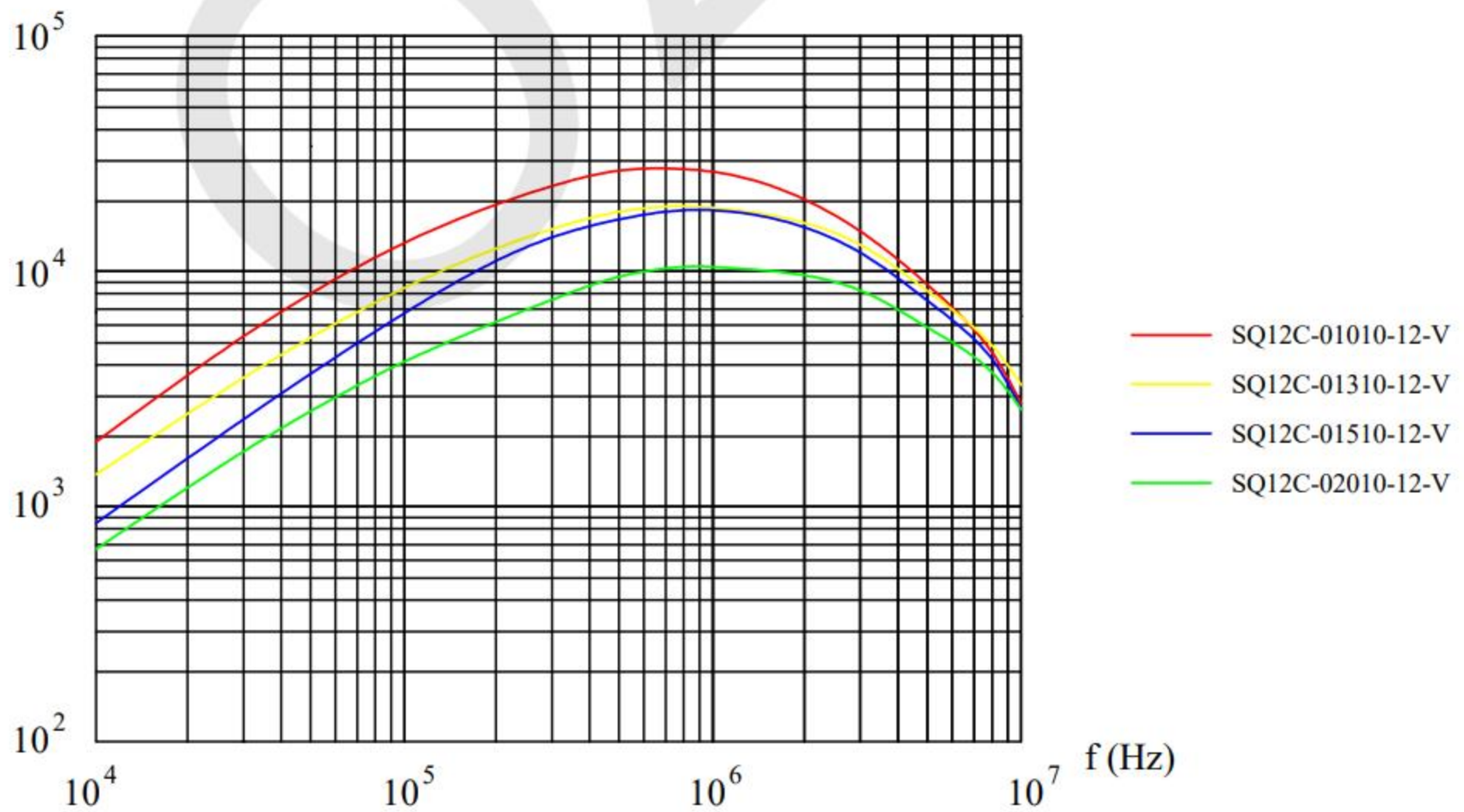
频率阻抗特性曲线

Impedance frequency characteristic curve

|Z| ohm



|Z| ohm



OZEKI

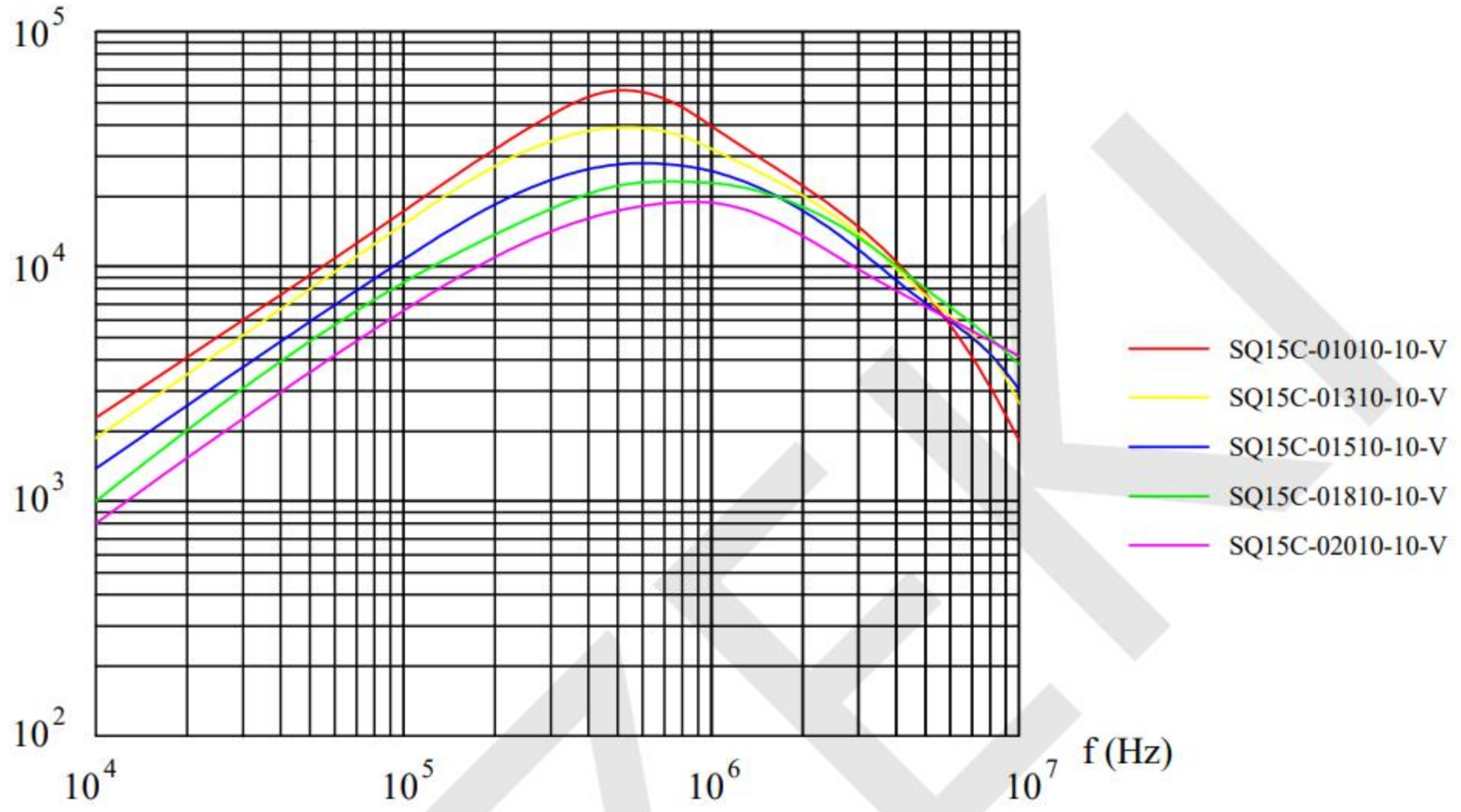
扁平线SQ型共模电感（立式）

Flat line SQ common mode inductor (Vertical Type)

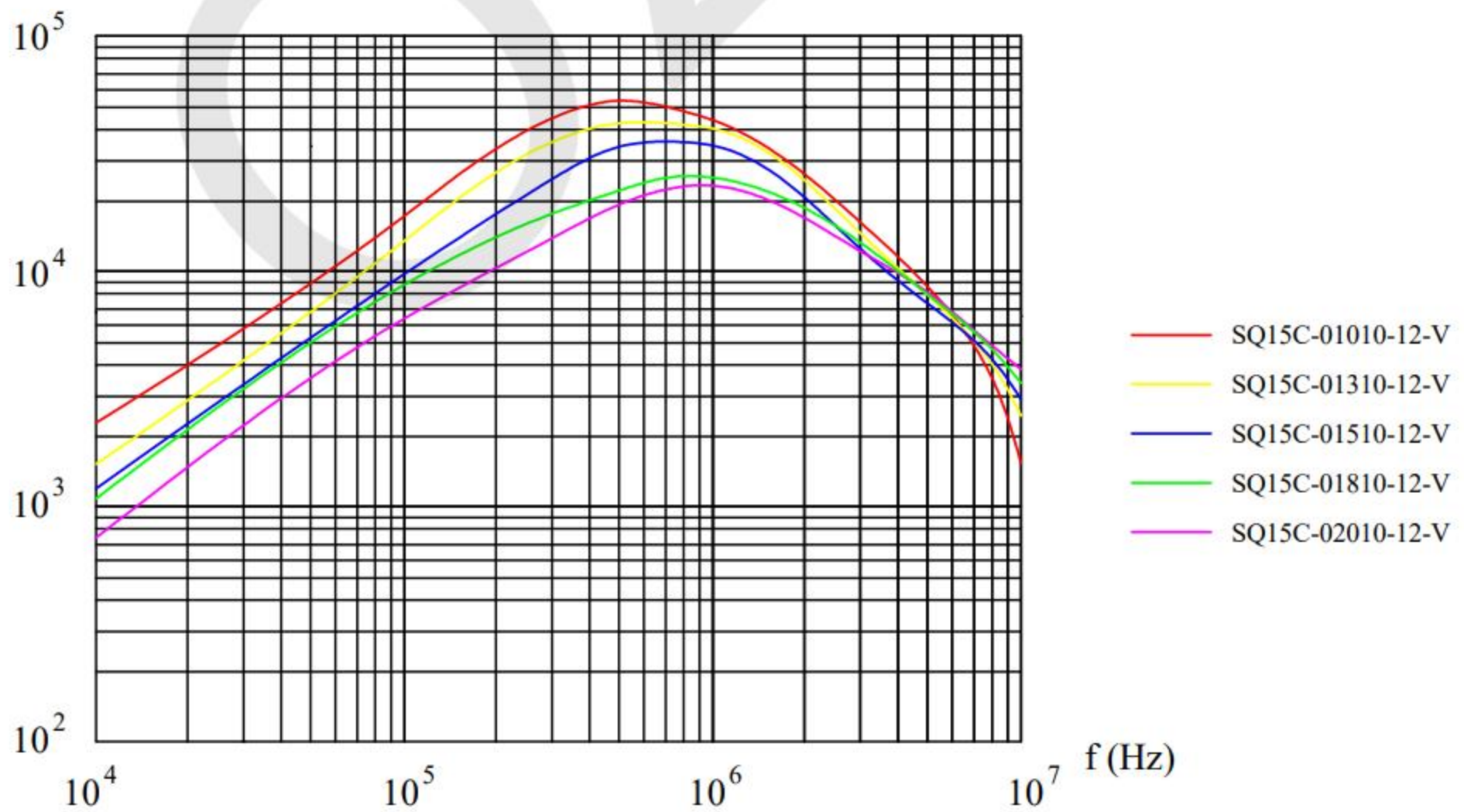
频率阻抗特性曲线

Impedance frequency characteristic curve

|Z| ohm



|Z| ohm



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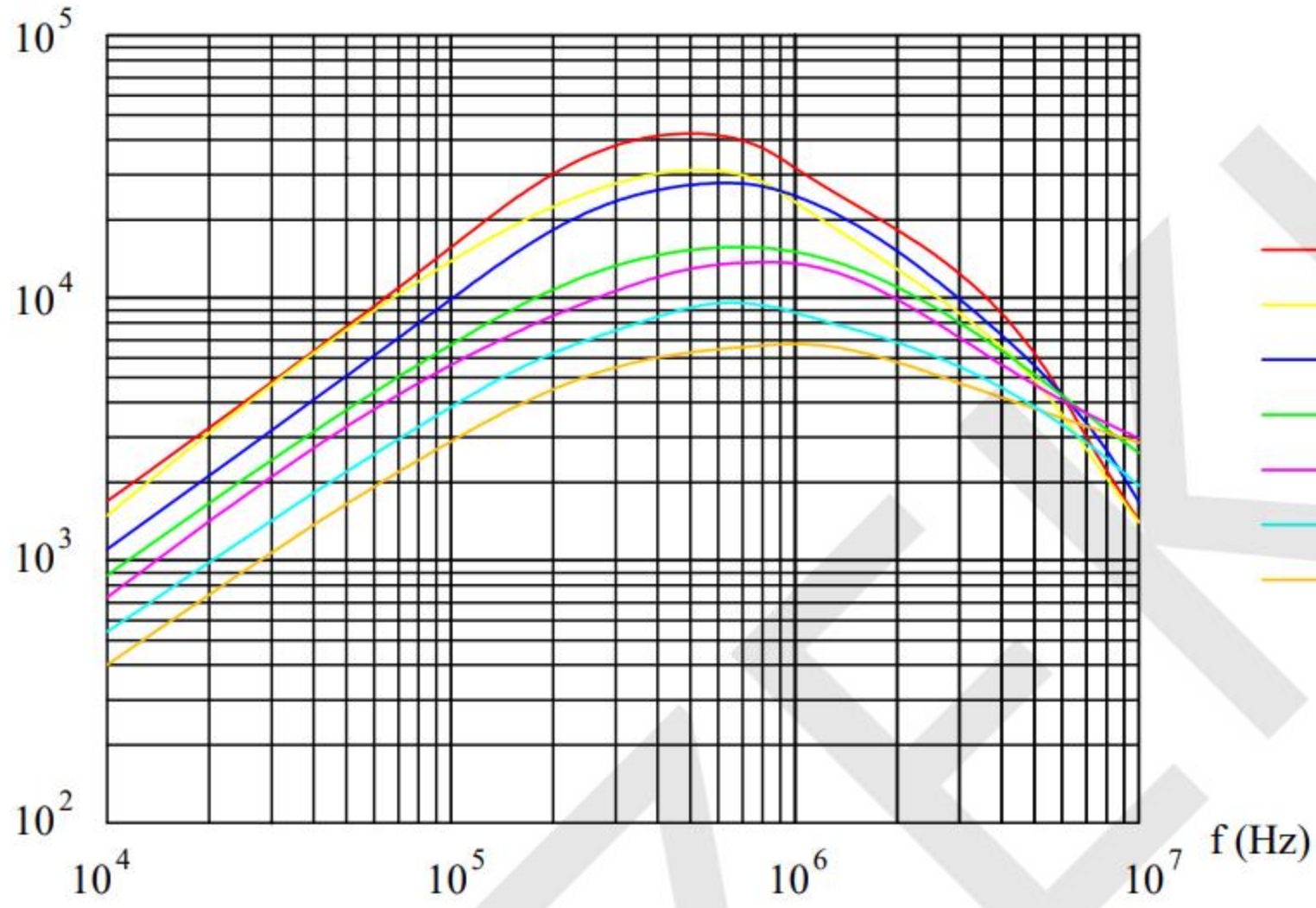
扁平线SQ型共模电感（立式）

Flat line SQ common mode inductor (Vertical Type)

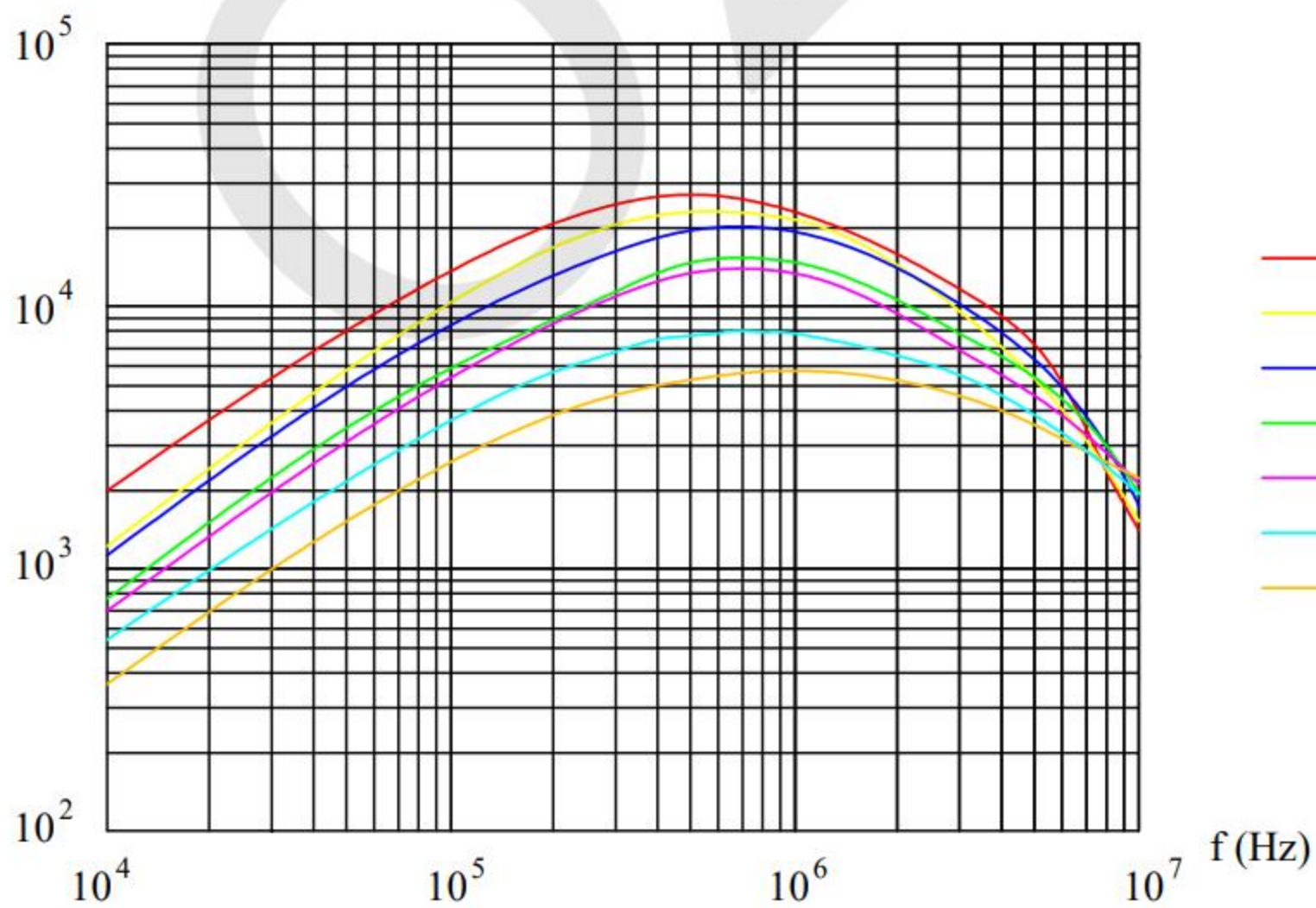
频率阻抗特性曲线

Impedance frequency characteristic curve

$|Z|$ ohm

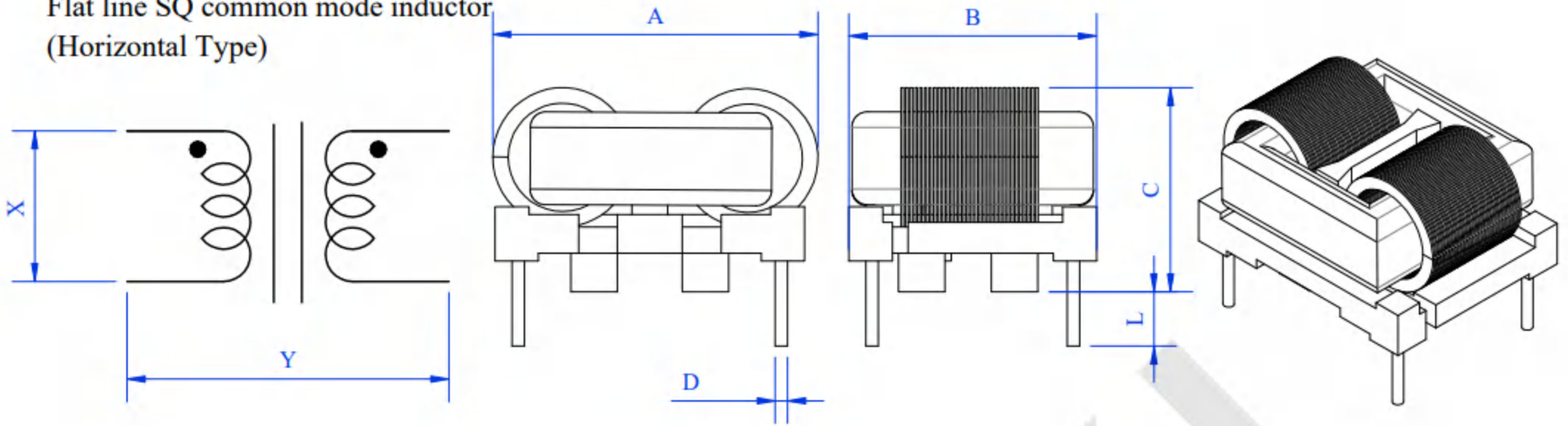


$|Z|$ ohm



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扁平线SQ型共模电感（卧式）
Flat line SQ common mode inductor
(Horizontal Type)



型号/ Part No	电感量 Inductance mH (MIN)⊙	直流电阻 DCR mΩ±15% ⊙	额定电流 Rating Current A(TA=50°C) ⊙	谐振频率 SRF KHz	X (mm)	Y (mm)	A (mm)	B (mm)	C (mm)	D (mm)	L (mm)
SQ12C-01010-10-H	12	215	1.2	850	10.0	13.0	16.9	13.3	10.4	0.7	3.5
SQ12C-01310-10-H	8.0	134	1.5	900	10.0	13.0	16.9	13.3	10.4	0.7	3.5
SQ12C-01510-10-H	6.3	102	1.8	920	10.0	13.0	16.9	13.3	10.4	0.7	3.5
SQ12C-02010-10-H	3.8	62	2.4	1000	10.0	13.0	16.9	13.3	10.4	0.7	3.5
SQ12C-01010-12-H	13.6	213	1.2	700	10.0	13.0	16.9	13.3	10.4	0.7	3.5
SQ12C-01310-12-H	9.1	134	1.5	800	10.0	13.0	16.9	13.3	10.4	0.7	3.5
SQ12C-01510-12-H	7.1	102	1.8	850	10.0	13.0	16.9	13.3	10.4	0.7	3.5
SQ12C-02010-12-H	4.4	64	2.4	900	10.0	13.0	16.9	13.3	10.4	0.7	3.5
SQ15C-01010-10-H	20.2	302	1.2	500	13.0	17.0	19.8	16.0	13.4	0.8	3.5
SQ15C-01310-10-H	14.1	193	1.5	550	13.0	17.0	19.8	16.0	13.4	0.8	3.5
SQ15C-01510-10-H	11.2	150	1.8	600	13.0	17.0	19.8	16.0	13.4	0.8	3.5
SQ15C-01810-10-H	9.1	108	2.1	700	13.0	17.0	19.8	16.0	13.4	0.8	3.5
SQ15C-02010-10-H	7.1	88	2.4	800	13.0	17.0	19.8	16.0	13.4	0.8	3.5
SQ15C-01010-12-H	20.6	302	1.2	500	13.0	17.0	19.8	16.0	13.4	0.8	3.5
SQ15C-01310-12-H	14.4	191	1.5	530	13.0	17.0	19.8	16.0	13.4	0.8	3.5
SQ15C-01510-12-H	11.5	150	1.8	580	13.0	17.0	19.8	16.0	13.4	0.8	3.5
SQ15C-01810-12-H	9.3	108	2.1	670	13.0	17.0	19.8	16.0	13.4	0.8	3.5
SQ15C-02010-12-H	7.3	88	2.4	750	13.0	17.0	19.8	16.0	13.4	0.8	3.5
SQ19C-01515-10-H	16.1	128	2.7	500	17.0	15.5	23.1	19.7	13.2	0.7	3.5
SQ19C-01815-10-H	12.1	87	3.2	550	17.0	15.5	23.1	19.7	13.2	0.7	3.5
SQ19C-02015-10-H	10.8	79	3.6	600	17.0	15.5	23.1	19.7	13.2	0.7	3.5
SQ19C-02515-10-H	7.5	54	3.2	550	17.0	15.5	23.1	19.7	13.2	0.7	3.5
SQ19C-03015-10-H	6.1	37	3.6	600	17.0	15.5	23.1	19.7	13.2	0.7	3.5

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扁平线SQ型共模电感（卧式）
Flat line SQ common mode inductor
(Horizontal Type)

型号/ Part No	电感量 Inductance mH(MIN) ①	直流电阻 DCR mΩ±15% ②	额定电流 Rating Current A(TA=50°C) ③	谐振频率 SRF KHz	X (mm)	Y (mm)	A (mm)	B (mm)	C (mm)	D (mm)	L (mm)
SQ19C-03515-10-H	4.0	27	6.3	800	17.0	15.5	23.1	19.7	13.2	0.7	3.5
SQ19C-04015-10-H	3.2	22	7.2	1000	17.0	15.5	23.1	19.7	13.2	0.7	3.5
SQ19C-01515-12-H	17.9	128	2.7	500	17.0	15.5	23.1	19.7	13.2	0.7	3.5
SQ19C-01815-12-H	13.5	87	3.2	500	17.0	15.5	23.1	19.7	13.2	0.7	3.5
SQ19C-02015-12-H	12.0	79	3.6	600	17.0	15.5	23.1	19.7	13.2	0.7	3.5
SQ19C-02515-12-H	8.4	54	4.5	700	17.0	15.5	23.1	19.7	13.2	0.7	3.5
SQ19C-03015-12-H	6.2	37	5.4	750	17.0	15.5	23.1	19.7	13.2	0.7	3.5
SQ19C-03515-12-H	4.4	27	6.3	800	17.0	15.5	23.1	19.7	13.2	0.7	3.5
SQ19C-04015-12-H	3.6	22	7.2	900	17.0	15.5	23.1	19.7	13.2	0.7	3.5

- ① 电感量测试条件为10kHz 0.1V
Inductance test condition is 10kHz 0.1V
- ② 直流电阻在25°C条件下测试
DCR test ambient temperature is 25°C
- ③ 在额定电流条件下，产品温升不超过45°C
Under the rated current, the temperature rise is not more than 45°C
- ④ 额定电压及频率：250V 50/60Hz
Rating voltage and frequency: 250V 50/60Hz
- ⑤ 耐电压测试：2000V 50/60Hz 2s
Hipot: 2000V 50/60Hz 2s
- ⑥ 绝缘电阻：100MΩ Min @500Vdc
Insulation Resistance: 100MΩ Min @500Vdc

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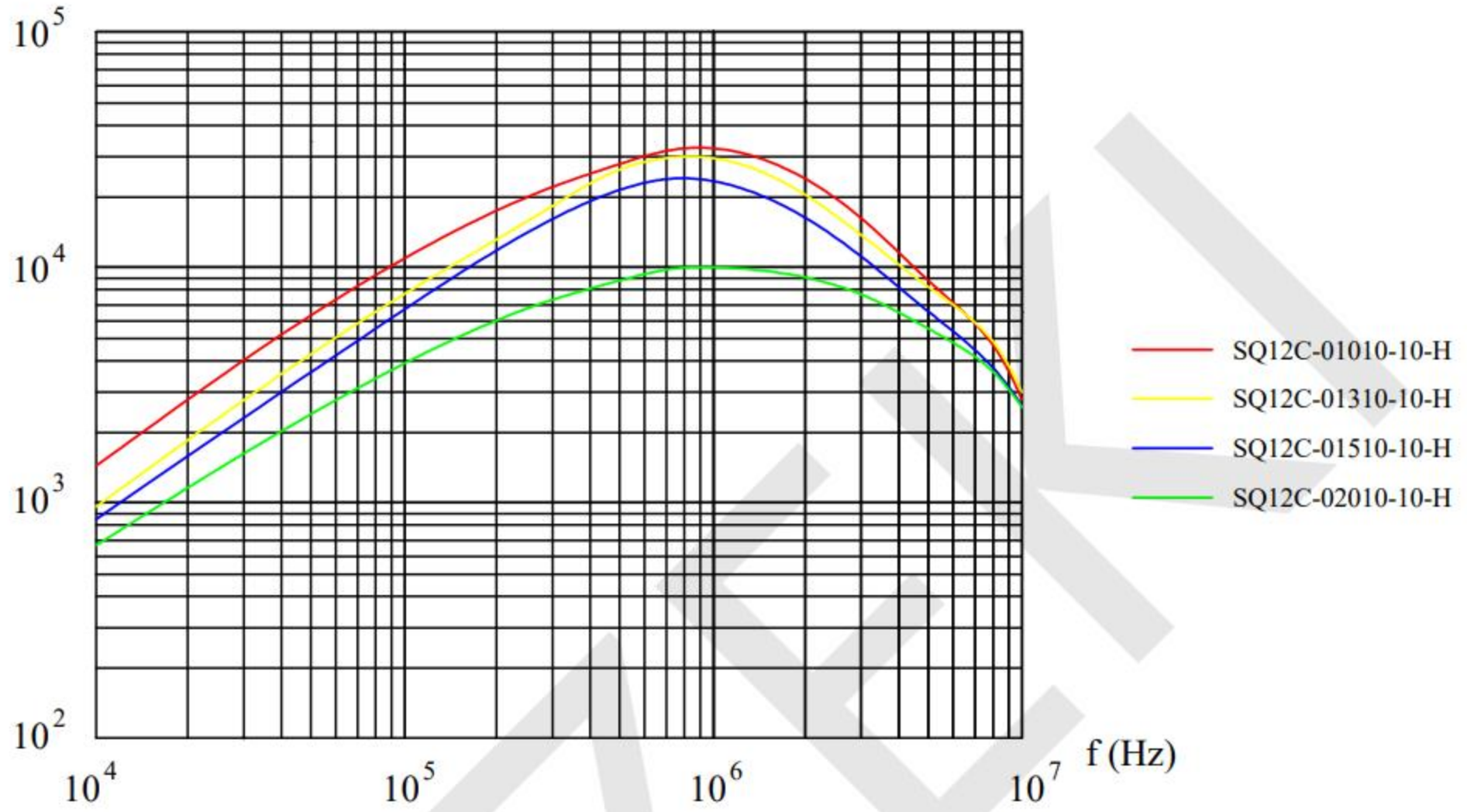
扁平线SQ型共模电感（卧式）

Flat line SQ common mode inductor (Horizontal Type)

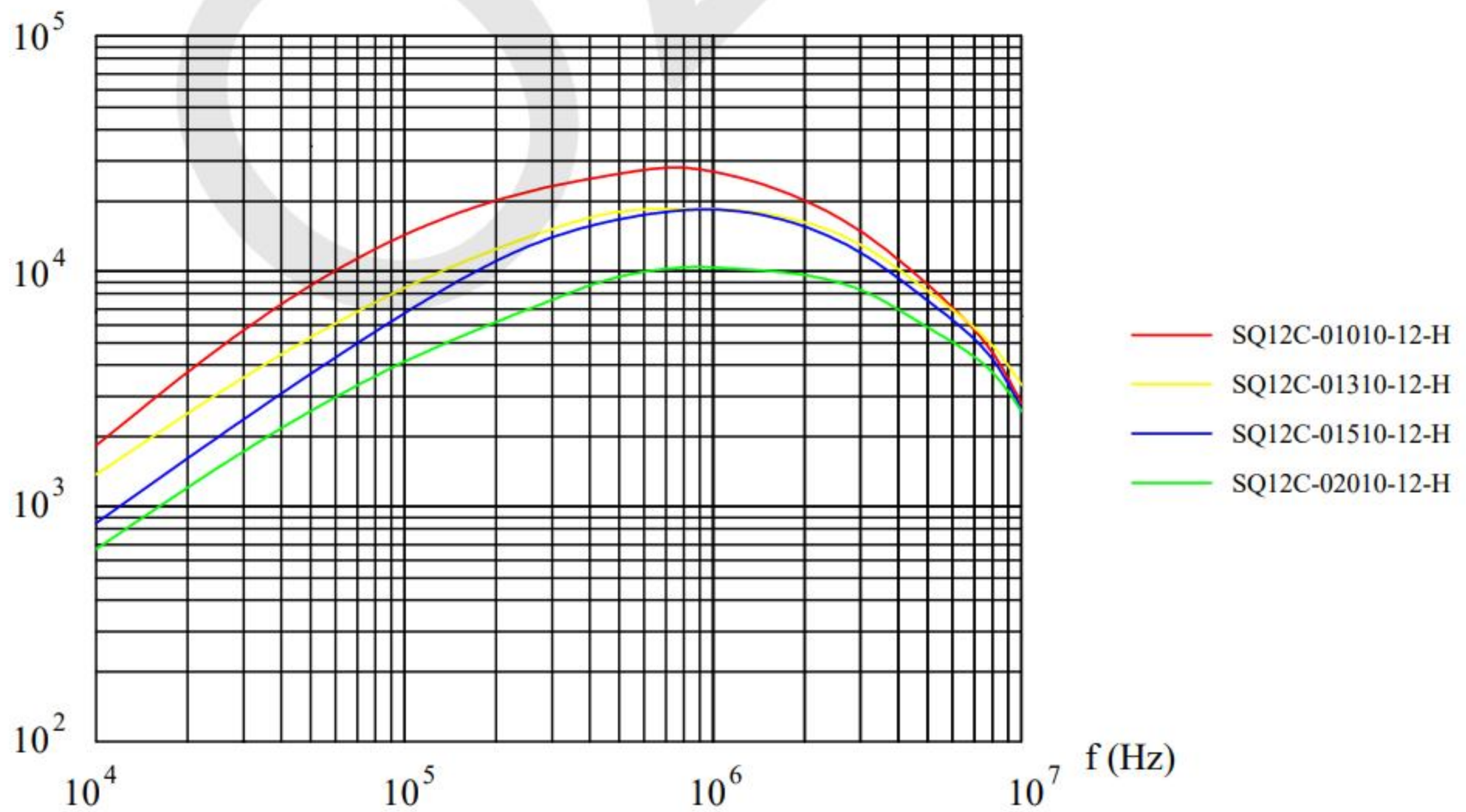
频率阻抗特性曲线

Impedance frequency characteristic curve

|Z| ohm



|Z| ohm



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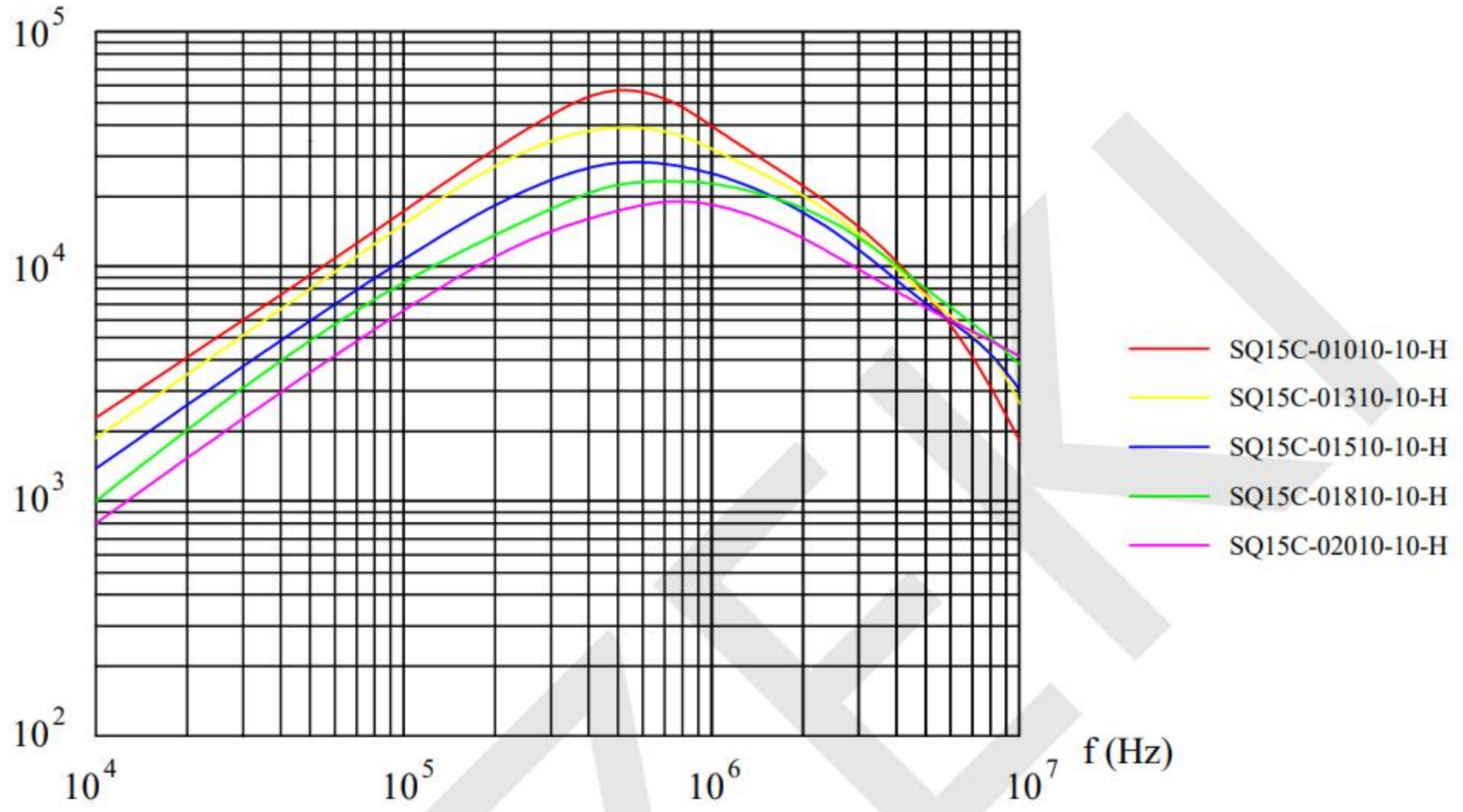
扁平线SQ型共模电感（卧式）

Flat line SQ common mode inductor (Horizontal Type)

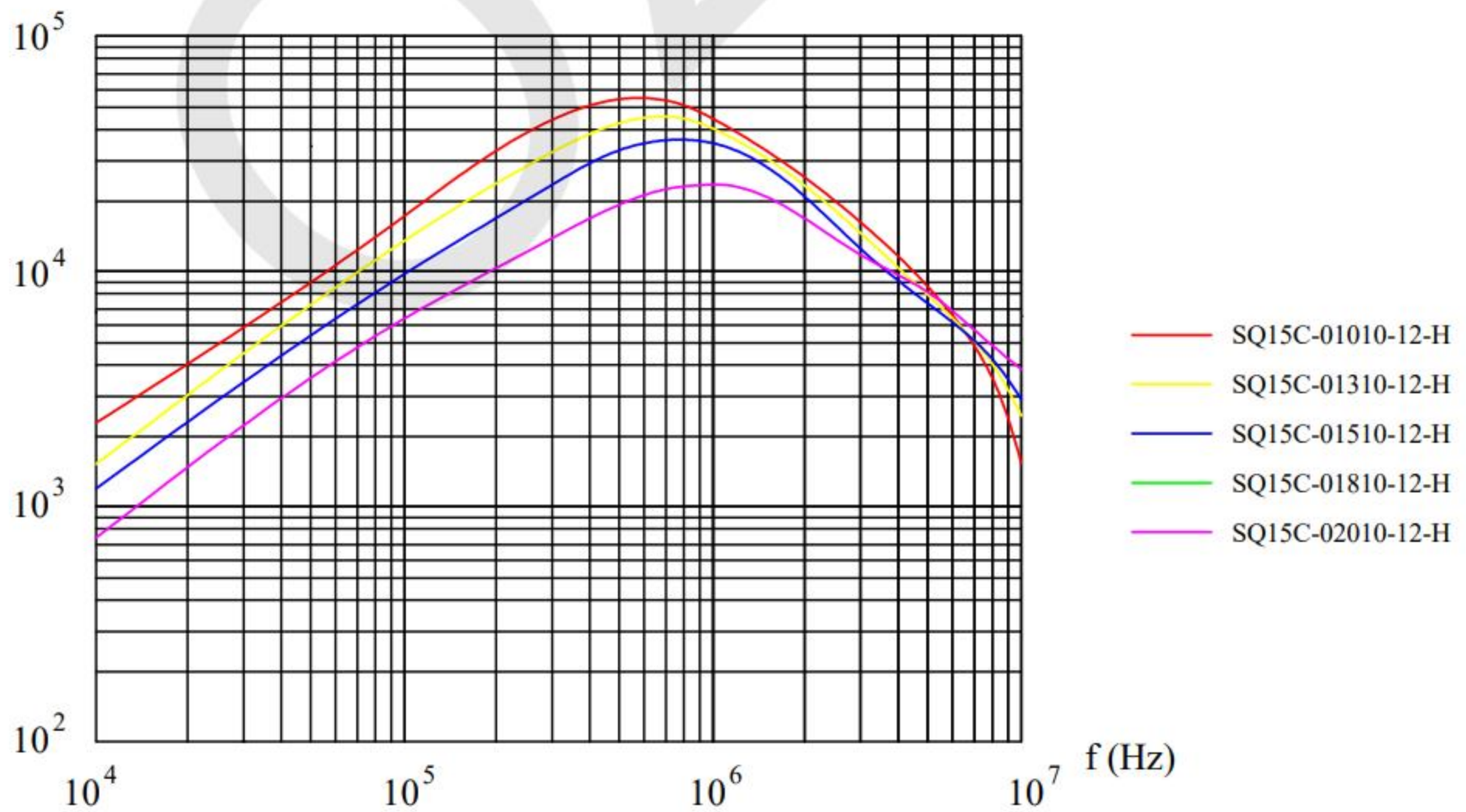
频率阻抗特性曲线

Impedance frequency characteristic curve

$|Z|$ ohm



$|Z|$ ohm



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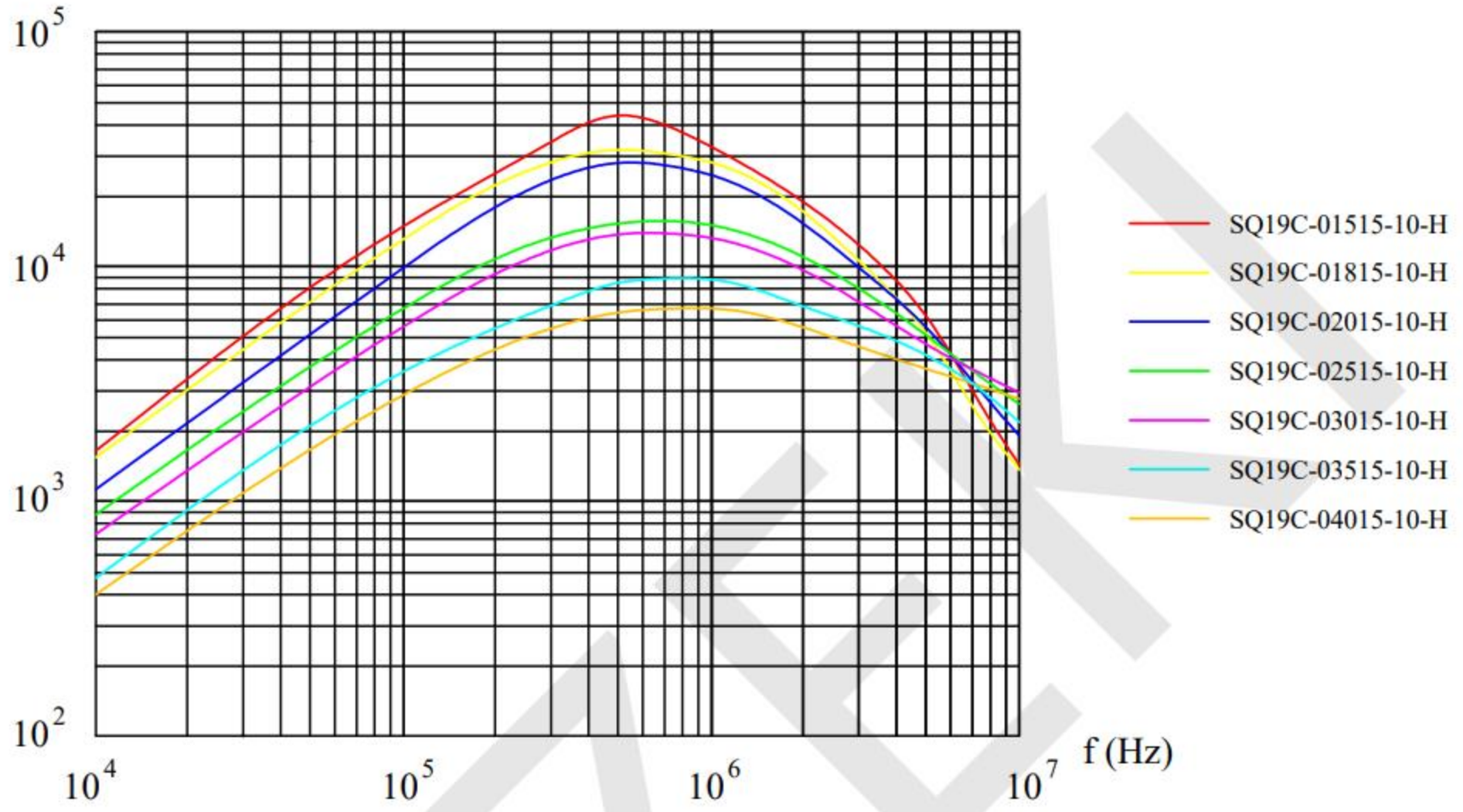
扁平线SQ型共模电感（卧式）

Flat line SQ common mode inductor (Horizontal Type)

频率阻抗特性曲线

Impedance frequency characteristic curve

$|Z|$ ohm



$|Z|$ ohm

