



PRODUCT IDENTIFICATION

TGBCM . 7060 . Y F . 151 T T 00
a b c d e f g h

- a: Series name
- b: Product dimensions (a x c)
- c: Sealing way (L: Cold seal Y: Heat seal)
- d: Lettering direction ☒
- e: Impedance Value
(100:10; 151: 150)
- f: Impedance tolerance($\pm 25\%$)
- g: Package(T:Tape/Reel、B: Bulk)
- h: Numbering (standard)

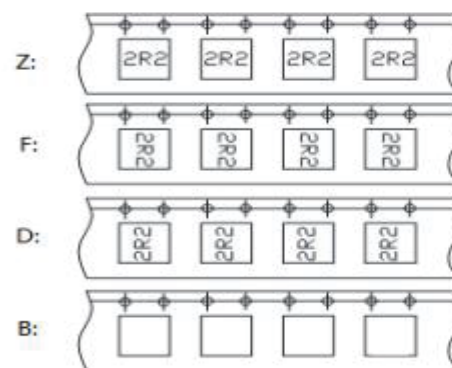
FEATURES

- ◆ Excellent impedance characteristics, making it great for suppressing common mode noise.Low loss realized with low dcr.
- ◆ Low profile design makes it optimal for surface mounting.

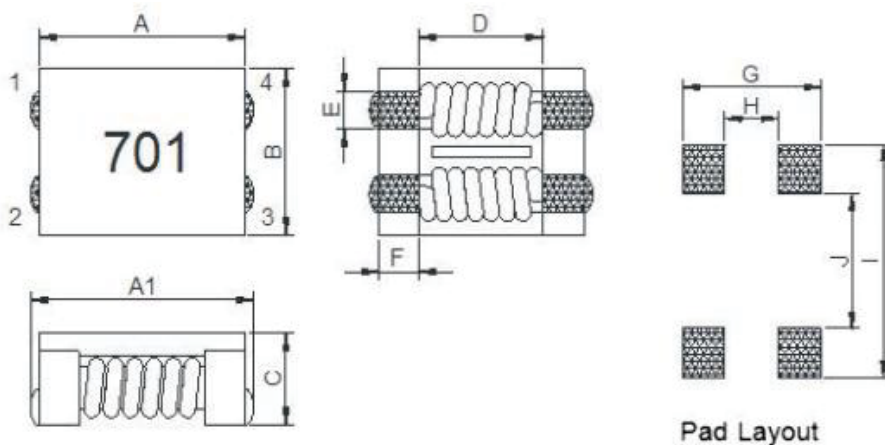
APPLICATIONS

- ◆ Measures against common mode noise in power lines for various DC power lines, multimedia devices, and various electronic devices, including automotive power trains.

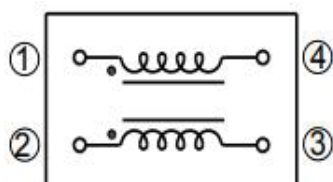
▶ Lettering direction



SHAPES AND DIMENSIONS



Schematic



Series	Dimensions(mm)										
	A	A1	B	C	D	E	F	G	H	I	J
TGBCM.4520	4.7 ±0.5	5.2 ±0.5	4.5 ±0.5	2.2Max	2.7Typ	0.8Typ	1.0Typ	3.0Typ	1.0Typ	6.0Typ	2.0Typ
TGBCM.7060	7.0±0.5	7.5±0.5	6.0±0.5	3.8Max	3.5Typ	1.5Typ	1.7Typ	5.0Typ	1.5Typ	8.0Typ	3.0Typ
TGBCM.9070	9.0±0.5	9.5±0.5	7.0±0.5	4.8Max	5.6Typ	1.5Typ	1.7Typ	5.5Typ	1.5Typ	10.5Typ	5.0Typ
TGBCM.1211	12.0±0.5	12.5±0.5	10.8±0.5	6.4Max	7.0Typ	2.7Typ	2.5Typ	8.5Typ	2.0Typ	12.5Typ	6.5Typ

Part Number	Impedance (Ω @100MHz)		DCR (m Ω) max.	Rated Current (A)Max	Rated Volt. (Vdc)max	IR (Ω) min.	MARK
	Min	Typ					
TGBCM.4520.YF900TT00	60	90	35	3.2	50	10M	900
TGBCM.4520.YF151TT00	90	150	40	3.1	50	10M	151
TGBCM.4520.YF231TT00	180	230	45	3	50	10M	231
TGBCM.4520.YF301TT00	200	300	45	3	50	10M	301
TGBCM.4520.YF421TT00	300	420	50	2.5	50	10M	401
TGBCM.4520.YF701TT00	500	700	59	2.2	50	10M	701
TGBCM.4520.YF901TT00	650	900	68	2.1	50	10M	901
TGBCM.4520.YF102TT00	800	1000	68	2.1	50	10M	102
TGBCM.4520.YF122TT00	1000	1200	74	2	50	10M	122
TGBCM.4520.YF142TT00	1200	1400	81	1.9	50	10M	142

Note:

※工作温度 Operating temperature rang: -40 °C to +125°C (Including Self-heating)

※储存温度 Storage temperature rang: -40 °C to +125°C

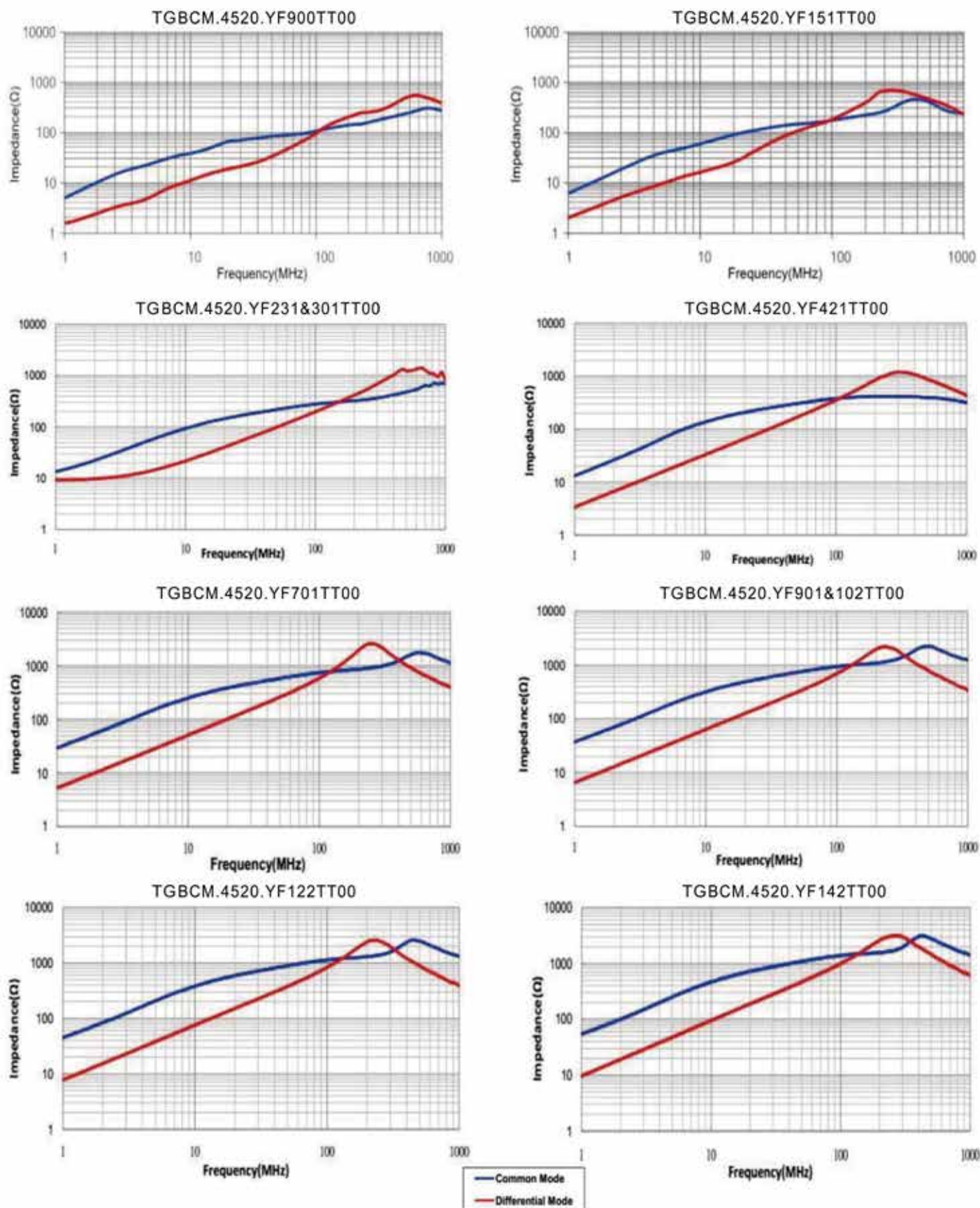
※共模阻抗测试条件为 100MHz,0.5V。Impedance measure condition at 100MHz,0.5V.

※额定电流: 使产品温度上升到 $\Delta T40^{\circ}\text{C}$ 时所加载的直流电流值($T_a=25^{\circ}\text{C}$)。

Rated current: the value of DC current when the temperature rise is $\Delta T40^{\circ}\text{C}$ ($T_a=25^{\circ}\text{C}$).

Common Mode Line Filter TGBCM.4520 Series

CHARACTERISTICS(REFERENCE)



Part Number	Impedance (Ω @100MHz)		DCR (m Ω) max.	Rated Current (A)Max	Rated Volt. (Vdc)max	IR (Ω) min.	MARK
	Min	Typ					
TGBCM.7060.YF400TT00	40	70	5	15	125	10	400
TGBCM.7060.YF101TT00	100	140	10	9	125	10	101
TGBCM.7060.YF301TT00	225	300	10	5	125	10	301
TGBCM.7060.YF501TT00	275	450	10	5	125	10	501
TGBCM.7060.YF601TT00	500	700	15	4	125	10	601
TGBCM.7060.YF701TT00	500	700	15	4	125	10	701
TGBCM.7060.YF102TT00	800	1020	17	3	125	10	102
TGBCM.7060.YF132TT00	910	1300	21	2.5	125	10	132
TGBCM.7060.YF272TT00	2000	2700	63	1	125	10	272
TGBCM.7060.YF302TT00	2500	3000	75	0.9	125	10	302

Note:

※工作温度 Operating temperature rang: -40 °C to +125°C (Including Self-heating)

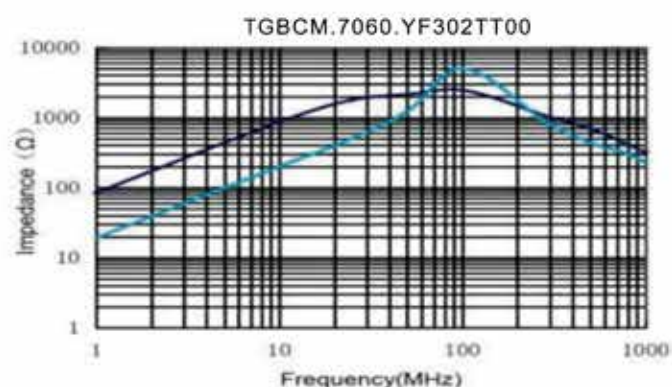
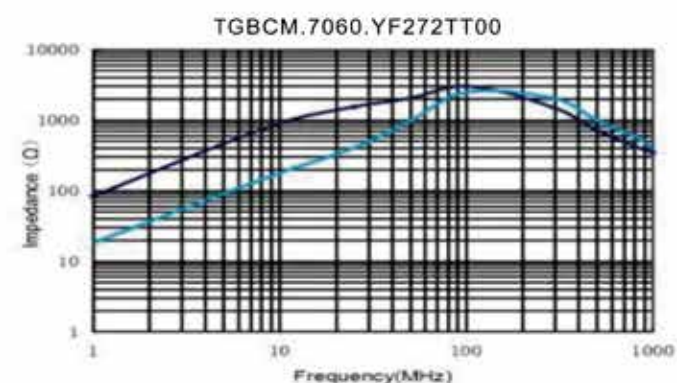
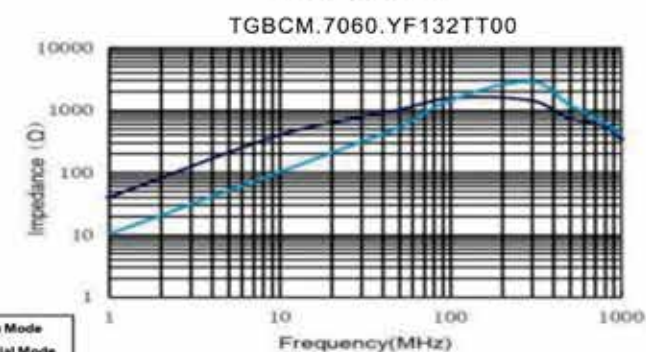
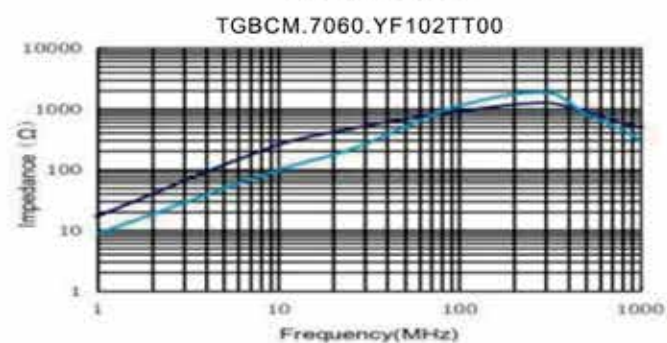
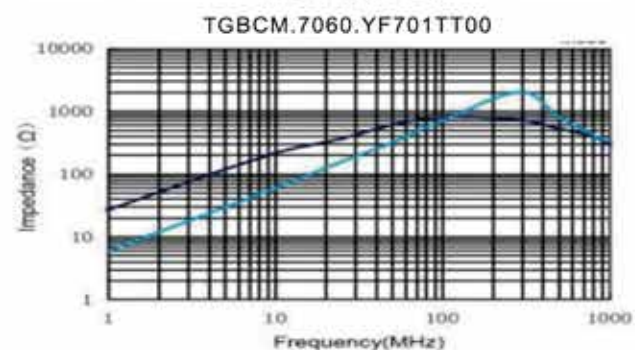
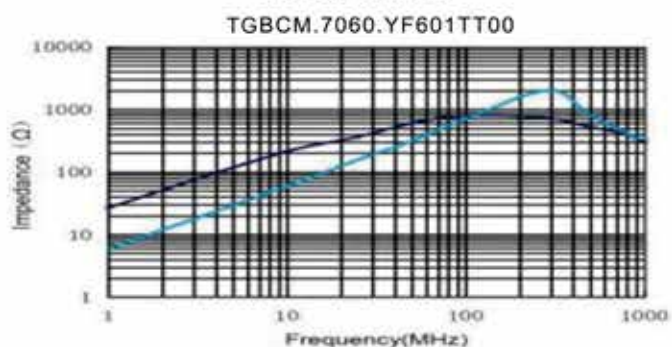
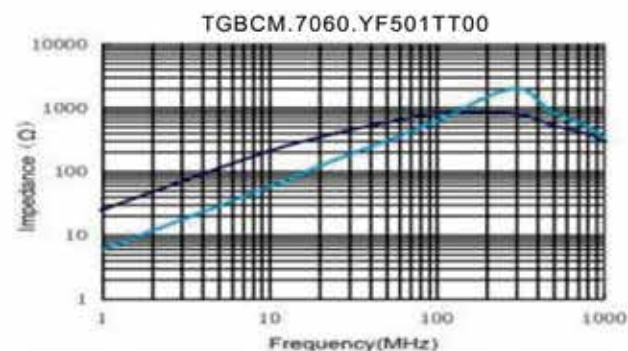
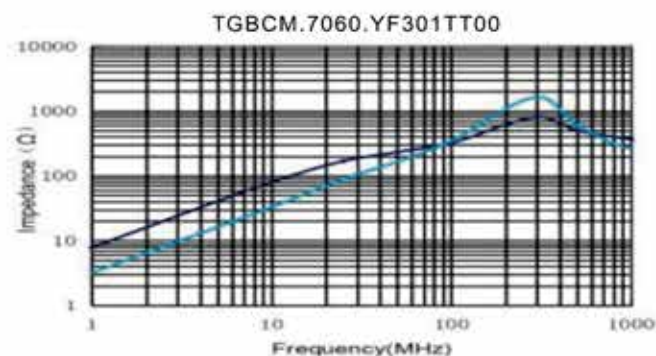
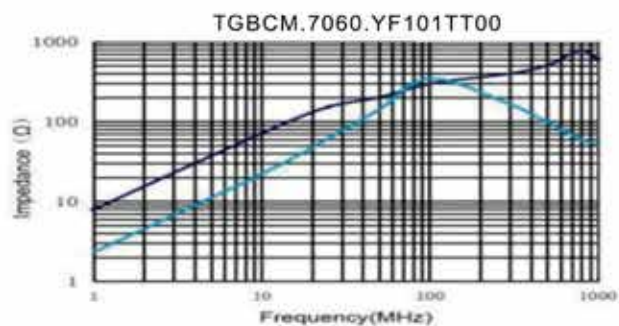
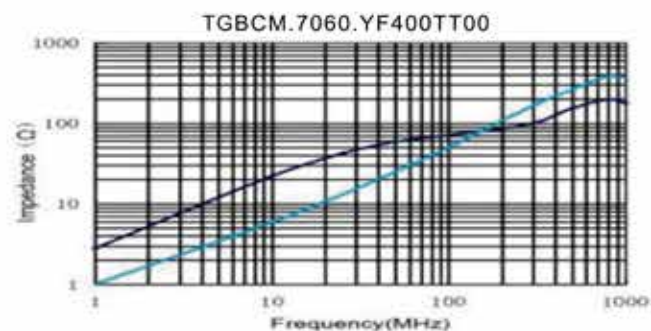
※储存温度 Storage temperature rang: -40 °C to +125°C

※共模阻抗测试条件为 100MHz,0.5V。Impedance measure condition at 100MHz,0.5V.

※额定电流: 使产品温度上升到 $\Delta T40^{\circ}\text{C}$ 时所加载的直流电流值($T_a=25^{\circ}\text{C}$)。

Rated current: the value of DC current when the temperature rise is $\Delta T40^{\circ}\text{C}$ ($T_a=25^{\circ}\text{C}$).

Common Mode Line Filter TGBCM.7060 Series **CHARACTERISTICS(REFERENCE)**



Common Mode
Differential Mode

Part Number	Impedance (Ω @100MHz)		DCR (m Ω) max.	Rated Current (A)Max	Rated Volt. (Vdc)max	IR (Ω) min.	MARK
	Min	Typ					
TGBCM.9070.YF301TT00	225	300	6	6	80	10	301
TGBCM.9070.YF501TT00	450	600	8	5.5	80	10	501
TGBCM.9070.YF701TT00	500	700	10	5	80	10	701
TGBCM.9070.YF102TT00	750	1000	13	4	80	10	102
TGBCM.9070.YF222TT00	1700	2200	50	3	80	10	222
TGBCM.9070.YF272TT00	2000	2700	80	2	80	10	272
TGBCM.9070.YF302TT00	2500	3000	80	2	80	10	302

Note:

※工作温度 Operating temperature rang: -40 °C to +125°C (Including Self-heating)

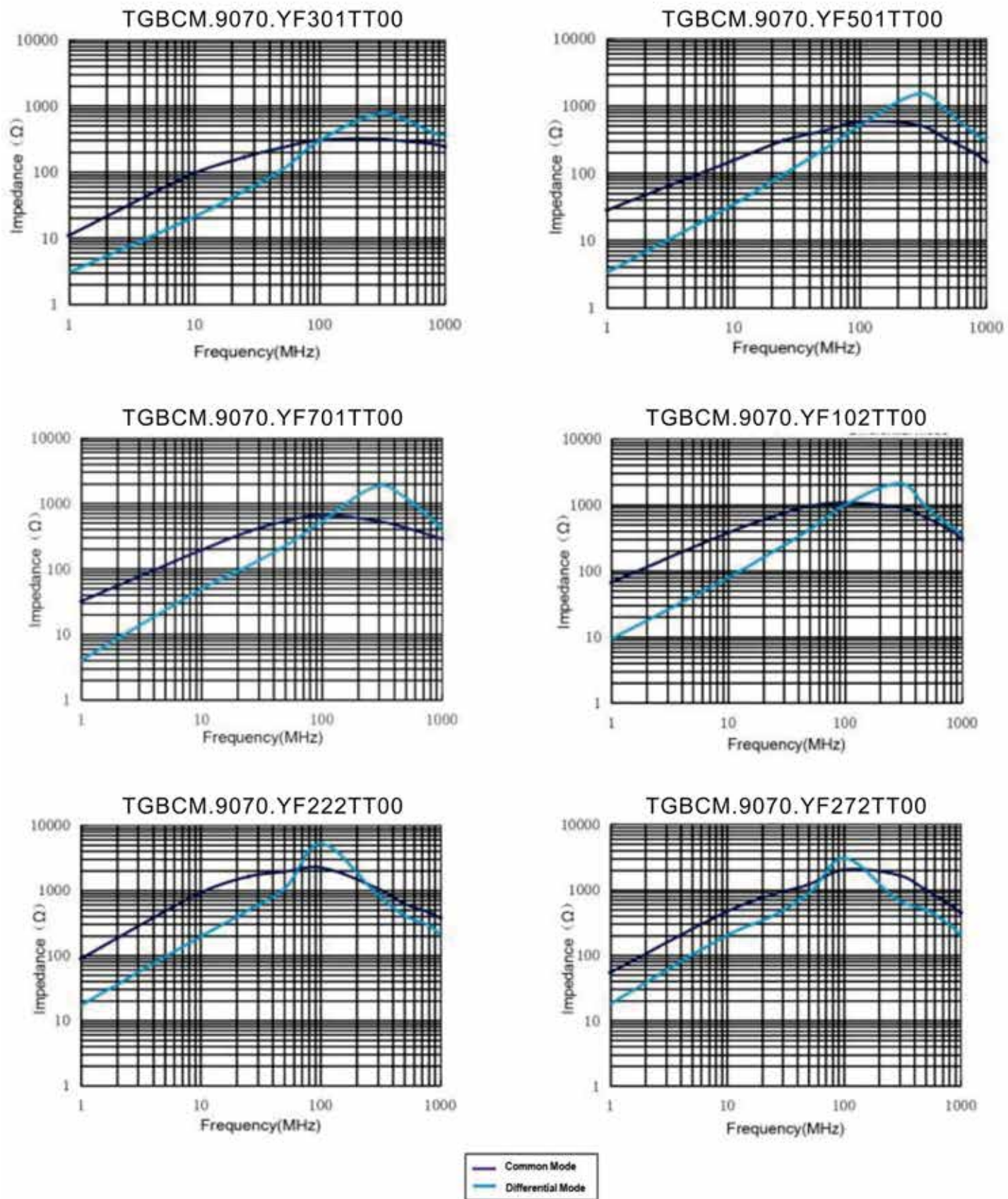
※储存温度 Storage temperature rang: -40 °C to +125°C

※共模阻抗测试条件为 100MHz,0.5V。Impedance measure condition at 100MHz,0.5V.

※额定电流: 使产品温度上升到 $\Delta T40^{\circ}\text{C}$ 时所加载的直流电流值($T_a=25^{\circ}\text{C}$)。

Rated current: the value of DC current when the temperature rise is $\Delta T40^{\circ}\text{C}$ ($T_a=25^{\circ}\text{C}$).

Common Mode Line Filte TGBCM.9070 Series
CHARACTERISTICS(REFERENCE)



Part Number	Impedance (Ω @100MHz)		DCR (m Ω) max.	Rated Current (A)Max	Rated Volt. (Vdc)max	IR (Ω) min.	MARK
	Min	Typ					
TGBCM.1211.YF800TT00	80	230	2	10	125	10	800
TGBCM.1211.YF301TT00	200	300	4	9	125	10	301
TGBCM.1211.YF501TT00	300	500	5.5	8	125	10	501
TGBCM.1211.YF701TT00	500	700	6	8	125	10	701
TGBCM.1211.YF801TT00	600	800	8	8	125	10	801
TGBCM.1211.YF102TT00	750	1000	14	6	125	10	102
TGBCM.1211.YF222TT00	2200	2500	35	1.8	125	10	222
TGBCM.1211.YF272TT00	2300	2700	50	1.5	125	10	272

Note:

※工作温度 Operating temperature rang: -40 °C to +125°C (Including Self-heating)

※储存温度 Storage temperature rang: -40 °C to +125°C

※共模阻抗测试条件为 100MHz,0.5V。 Impedance measure condition at 100MHz,0.5V.

※额定电流: 使产品温度上升到 $\Delta T40^{\circ}\text{C}$ 时所加载的直流电流值($T_a=25^{\circ}\text{C}$)。

Rated current: the value of DC current when the temperature rise is $\Delta T40^{\circ}\text{C}$ ($T_a=25^{\circ}\text{C}$).

Common Mode Line Filte TGBCM.1211 Series

CHARACTERISTICS(REFERENCE)

