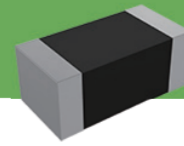


Multilayer Chip Ferrite Bead –AGZ Series



Operating Temp : -55°C ~+125°C

FEATURES

- ◆ Internal silver printed layers and magnetic shielded structures to minimize crosstalk
- ◆ Excellent EMI suppression effect within dozens of MHz to hundreds of MHz
- ◆ Wide range of impedance, suitable for different electronic circuits
- ◆ Operating temperature range:-55°C ~125°C
- ◆ AEC-Q200D verified

APPLICATIONS

- ◆ Noise suppression for general signal lines of automotive powertrain/safety equipment, automotive infotainment/comfort equipment, consumer equipment

PRODUCT IDENTIFICATION

1	2	3	4	5	6	7	8	9
A	GZ	15S	U	G	601	H	1	T

1	Feature Code
A	For Automotive

2	Type
GZ	Chip Ferrite Bead for General Use

3	External Dimensions (L×W×H) (mm)
15S[0402]	1.0×0.5×0.5
18S[0603]	1.6×0.8×0.8
21S[0805]	2.00×1.25×0.85

4	Material Code
U	

5	Internal Code
G	

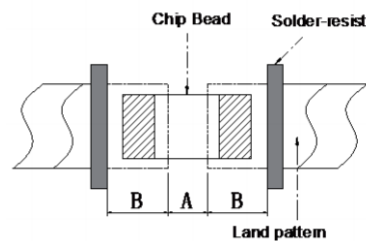
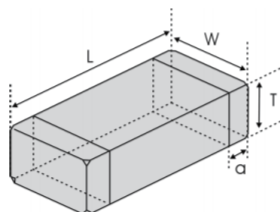
6	Nominal Impedance
Example	Nominal Value
601	600Ω
202	2000Ω

7	Application category
H	All applications

8	Maximum Operating Temperature
1	125°C

9	Packing
1	Tape & Reel

SHAPE AND DIMENSIONS



Type	L	W	T	a	A	B	C
15S [0402]	1.0±0.05 [.039±.006]	0.5±0.05 [.020±.006]	0.5±0.05 [.020±.006]	0.25±0.1 [.010±.004]	0.5	0.4	0.6
18S [0603]	1.6±0.15 [.063±.006]	0.8±0.15 [.031±.006]	0.8±0.15 [.031±.006]	0.4±0.2 [.016±.008]	0.63	0.76	1.05
21S [0805]	2.0±0.2 [.079±.008]	1.25±0.2 [.049±.008]	0.85±0.2 [.033±.008]	0.5±0.3 [.020±.012]	0.64	0.99	1.45

Unit: mm [inch]

SPECIFICATIONS AGZ15 TYPE

Part Number	Impedance	Z Test Frequency	Max. DC Resistance		Max. Rated Current		Thickness
			Initial Value	Value After Testing	@85°C	@125°C	
Units	Ω	MHz	m Ω		A		mm [inch]
Symbol	Z	Freq.	DCR		I _r		T
AGZ15SUG601H1T	600±25%	100	600	700	0.3	0.3	0.5±0.05 [.020±.002]

AGZ18 TYPE

Part Number	Impedance	Z Test Frequency	Max. DC Resistance		Max. Rated Current		Thickness
			Initial Value	Value After Testing	@85°C	@125°C	
Units	Ω	MHz	m Ω		A		mm [inch]
Symbol	Z	Freq.	DCR		I _r		T
AGZ18SUG800H1T	80±25%	100	150	300	0.50	0.50	0.8±0.15 [.031±.006]
AGZ18SUG102H1T	1000±25%	100	500	600	0.45	0.45	
AGZ18SUG202H1T	2000±25%	100	900	1000	0.20	0.20	

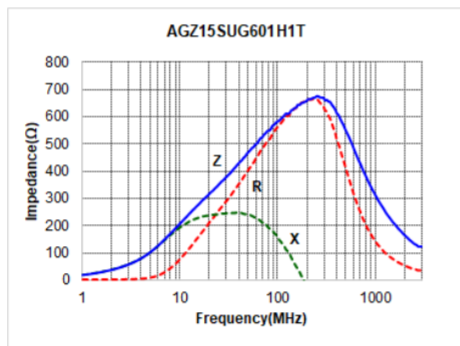
AGZ21 TYPE

Part Number	Impedance	Z Test Frequency	Max. DC Resistance		Max. Rated Current		Thickness
			Initial Value	Value After Testing	@85°C	@125°C	
Units	Ω	MHz	m Ω		A		mm [inch]
Symbol	Z	Freq.	DCR		I _r		T
AGZ21SUG601H1T	600±25%	100	200	300	0.70	0.70	0.85±0.2 [.033±.008]
AGZ21SUG102H1T	1000±25%	100	270	370	0.6	0.6	

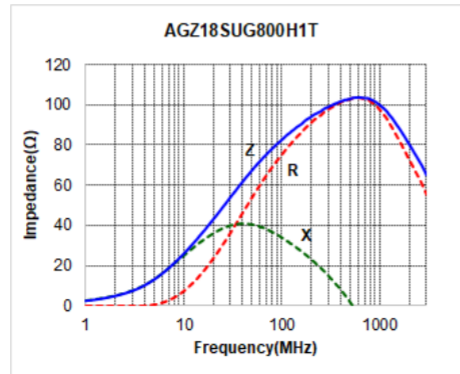
※: Products with other electrical characteristics can be provided upon customer's request. Please contact your local sales.

**DETAIL
ELECTRICAL
CHARACTERISTICS**

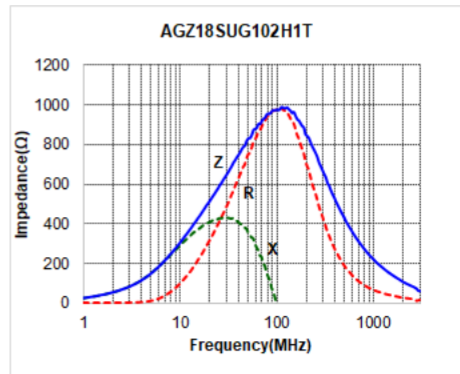
AGZ15 TYPE



AGZ18 TYPE

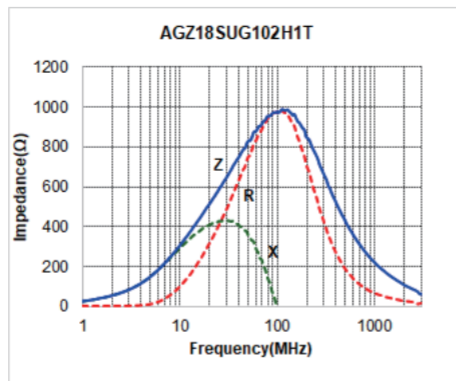


AGZ18 TYPE

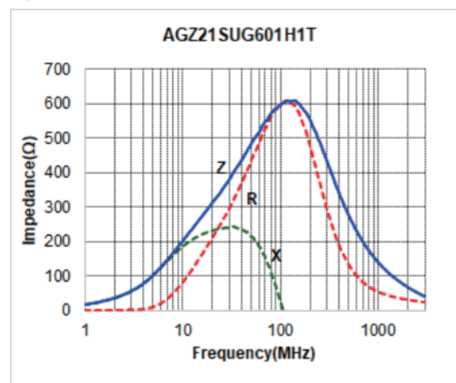


DETAIL ELECTRICAL CHARACTERISTICS

AGZ18 TYPE



AGZ21 TYPE



AGZ21 TYPE

