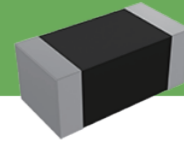


Multilayer Chip Ferrite Bead –APZ Series



Operating Temp : -55°C ~+125°C

FEATURES

- ◆ Internal silver printed layers and magnetic shielded structures to minimize crosstalk
- ◆ Large withstand current
- ◆ Can be used in a wide range of frequency to suppress EMI
- ◆ Operating temperature range: -55°C ~ 125°C
- ◆ AEC-Q200D verified

APPLICATIONS

- ◆ Noise suppression for power lines or large current 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	PZ	15S	U	H	121	H	1	T

1	Feature Code
A	For Automotive

2	Type
PZ	Chip Ferrite Bead For Large current

3	External Dimensions (L×W×H) (mm)
15S[0402]	1.0×0.5×0.5
18T[0603]	1.6×0.8×0.6
18S[0603]	1.6×0.8×0.8
21S[0805]	2.00×1.25×0.85

4	Material Code
U	

5	Internal Code
G, H, X	

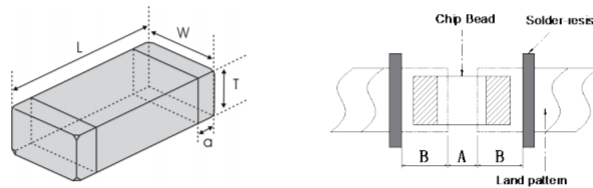
6	Nominal Impedance
Example	Nominal Value
121	120Ω
102	1000Ω

7	Application category
H	All applications

8	Maximum Operating Temperature
1	125°C

9	Packing
1	Tape & Reel

SHAPE AND DIMENSIONS



Unit: mm [inch]

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
18T [0603]	1.6±0.15 [.063±.006]	0.8±0.15 [.031±.006]	0.6±0.15 [.024±.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]	0.50±0.2 [.020±.008]	0.64	0.99	1.45

SPECIFICATIONS APZ15 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		Ir		T
APZ15SUH121H1T	120 $\pm$ 25%	100	95	130	1.5	0.9	0.5 $\pm$ 0.05 [.020 $\pm$.002]

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

APZ18 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		Ir		T
APZ18TUH101H1T	100 $\pm$ 25%	100	45	70	2	1	0.6 $\pm$ 0.15 [.024 $\pm$.006]

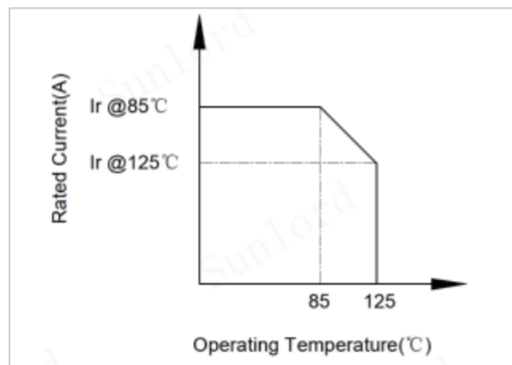
APZ21 TYPE

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		Ir		T
APZ21SUG101H1T	100 $\pm$ 25%	100	50	90	2	1.25	0.85 $\pm$ 0.2 [.033 $\pm$.008]

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

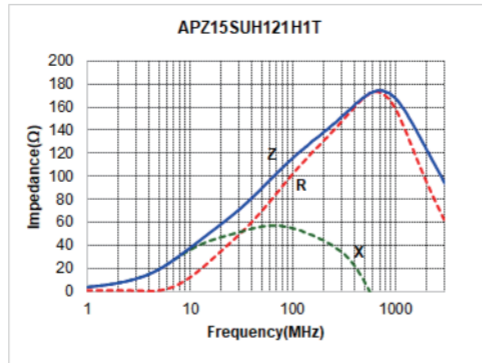
**TYPICAL
ELECTRICAL
CHARACTERISTICS****Rated Current**

When Operating temperatures exceeding +85°C , Please apply the derating curve shown in chart according to the Operating temperature.

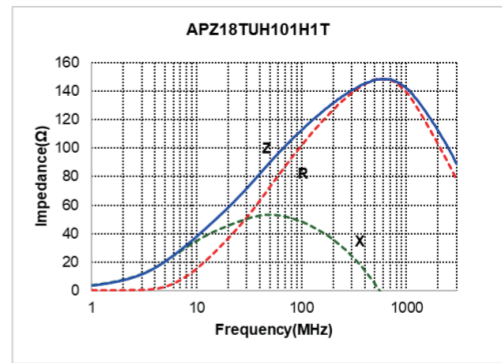


DETAIL ELECTRICAL CHARACTERISTICS

APZ15 TYPE



APZ18 TYPE



APZ21 TYPE

