

Chip beads For general signal line Low DC resistance type **MMZ-H series (for automotive)**











MMZ0603-H type













FEATURES

- Noise reduction solution for general signal line.
- O This product is a low resistance than the standard "-C" series.
- Olt's possible to reduce power loss of a circuit.
- Operating temperature range: -55 to +125°C
- Ocompliant with AEC-Q200

APPLICATION

O Various ECUs, powertrains, body controls, and car multimedia (telematics).

■ PART NUMBER CONSTRUCTION

MMZ	0603	S	121	H	T	D25
Series name	L×W×T dimensions 0.6×0.3x0.3 mm	Material name	Impedance (Ω) at 100MHz	Characteristic type	Packaging style	Internal code

CHARACTERISTICS SPECIFICATION TABLE

Impedance		DC resistance	Rated current	Part No.
[100MHz]				
(Ω)	Tolerance	(Ω)max.	(mA)max.	
80	±25%	0.18	520	MMZ0603S800HTD25
120	±25%	0.22	480	MMZ0603S121HTD25
240	±25%	0.32	420	MMZ0603S241HTD25
470	±25%	0.65	310	MMZ0603S471HTD25
600	±25%	0.75	280	MMZ0603S601HTD25
1000	±25%	1.25	200	MMZ0603S102HTD25

Measurement equipment

Measurement item	Product No.	Manufacturer
Impedance	E4991A+16197	Keysight Technologies
DC resistance	Type-7556	Yokogawa

^{*} Equivalent measurement equipment may be used.



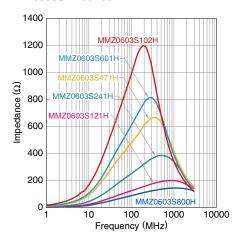




MMZ0603-H type

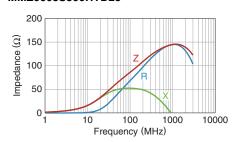
Z VS. FREQUENCY CHARACTERISTICS (BY SERIES)

MMZ0603S-H series

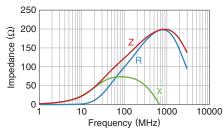


Z, X, R VS. FREQUENCY CHARACTERISTICS

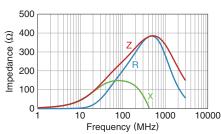
MMZ0603S800HTD25



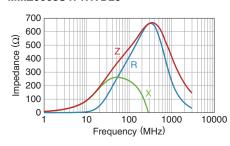
MMZ0603S121HTD25



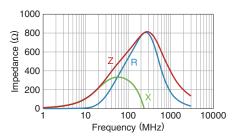
MMZ0603S241HTD25



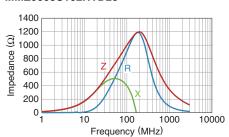
MMZ0603S471HTD25



MMZ0603S601HTD25



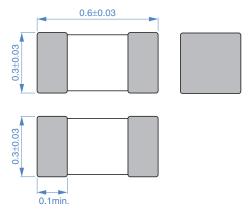
MMZ0603S102HTD25





MMZ0603-H type

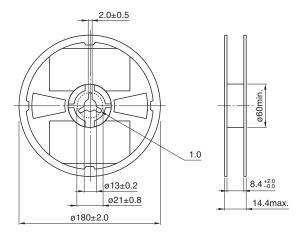
SHAPE & DIMENSIONS



Dimensions in mm

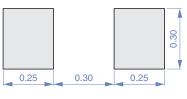
■PACKAGING STYLE

REEL DIMENSIONS



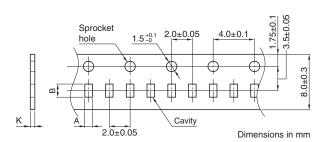
Dimensions in mm

■ RECOMMENDED LAND PATTERN



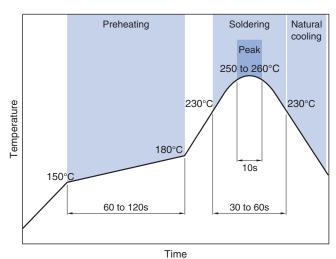
Dimensions in mm

TAPE DIMENSIONS



Туре	Α	В	K
MMZ0603-H	0.38±0.05	0.68±0.05	0.5max.

■ RECOMMENDED REFLOW PROFILE



160min.	Taping	200min.	1
0 0 0		0 0 0	
Drawing dir	ection		300min.

Dimensions in mm

□PACKAGE QUANTITY

Package quantity	15,000 pcs/reel

■TEMPERATURE RANGE, INDIVIDUAL WEIGHT

Operating temperature range	Storage temperature range*	Individual weight
−55 to +125°C	−55 to +125°C	0.3 mg

^{*} The storage temperature range is for after the assembly.

REMINDERS FOR USING THESE PRODUCTS

Before using these products, be sure to request the delivery specifications.

SAFETY REMINDERS

Please pay sufficient attention to the warnings for safe designing when using this products.

- (1) Aerospace/aviation equipment
- $\hbox{(2) Transportation equipment (cars, electric trains, ships, etc.)}\\$
- (3) Medical equipment

person or property.

(4) Power-generation control equipment

set forth in the each catalog, please contact us.

- (5) Atomic energy-related equipment
- (6) Seabed equipment
- (7) Transportation control equipment

- (8) Public information-processing equipment
- (9) Military equipment
- (10) Electric heating apparatus, burning equipment
- (11) Disaster prevention/crime prevention equipment
- (12) Safety equipment
- (13) Other applications that are not considered general-purpose applications

When designing your equipment even for general-purpose applications, you are kindly requested to take into consideration securing protection circuit/device or providing backup circuits in your equipment.

If you intend to use the products in the applications listed below or if you have special requirements exceeding the range or conditions

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NCB0805A320TR050F NCB-H1206B680TR300F CZB1JGTTD221P CZB1JGTTD600P CZB2AGTTD301P CZB2BFTTE301P
CZB2BFTTE601P 4221R-1 EMI0805R-600 SBY100505T-100Y-N NCB-GH0402D121TR060F NCB0402P301TR005F
NCB0603R152TR030F NCB0805A121TR050F NCB0805A301TR070F NCB3312K900TR500F NCB-H0805A221TR300F
NCB0402P221TR030F NCB0805A102TR040F NCB1806E151TR020F NCB-H0402P100TR200F NCB-H0603R121TR300F NCB-H0805A220TR600F NCB-H1206B601TR200F CZB1JGTTD202P CBH160808W221T WLBD1005HCU330TL WLBD2012HCU121TH
WLBD2012HCU221TH WQBD1608HCU121TH WLBD1608K2U252TB VLU0810-102KBC12 WLBD1608K2U800TP BMB2A0080AN4
SZ1608F470TF FBSHC0805-331-302R HFJ100505T-601Y-N HFY100505T-221Y-N PBY201209T-110Y-N SBY060303T-121Y-N
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