Discontinue Issue Date	Last Purchase Order Date	Last Shipment Date			
Dec. 2, 2021	Mar. 31, 2023	Oct. 31, 2023	• Please refer to our Web site about replacement information.		
EMC Co	mponen	t s	⊗TDK		
Common mode fil High-speed differe MCZ-AH series		ISB2.0, LVDS, etc	ROHS REACH SVHC-Free Free Lead Free Free		
MCZ0605	AH type		Product Portal Search Simulation Model Selection. Guide Tech Library Tech Note		
FEATURES					
		, , ,	itial mode transmission while ensuring common mode impedance e signal.		

 \bigcirc Operating temperature range: -40 to +85°C

APPLICATION

○ Electronic equipment high-speed interface (LVDS, USB2.0, MHL)

- \bigcirc Mobile phones, PCs, DSCs, portable game machines, etc.
- \bigcirc PDP/LCD/DLP/PJ TVs, DVD players, DVCs, mobile audio, etc.
- O Application guides: Smart phones/tablets

PART NUMBER CONSTRUCTION

M	CZ	06	05	A⊢	ł	350	5	SE			Т	00	00
Series	s name		mensions ×0.3 mm	Product in code		Impedance (Ω) at 100MF		Number o	of lines	Packag	ing style	Interna	Il code

CHARACTERISTICS SPECIFICATION TABLE

Common I	mode impedance	DC resist	tance	Rated currer	nt Rated vol	tage Insulation resistance	Part No.
[100MHz]		[1 line]					
(Ω)	Tolerance	(Ω)	Tolerance	(mA)max.	(V)max.	(MΩ)min.	
35	±25%	3.0	±30%	100	5	10	MCZ0605AH350SDT000
90	±20%	3.0	±30%	100	5	10	MCZ0605AH900SDT000
Mossurom	ont oquinmont						

Measurement equipment		
Measurement item	Product No.	Manufacturer
Common mode impedance	E4991A+16192A	Keysight Technologies
DC resistance	Type-7561	Yokogawa
Insulation resistance	4339B	Keysight Technologies

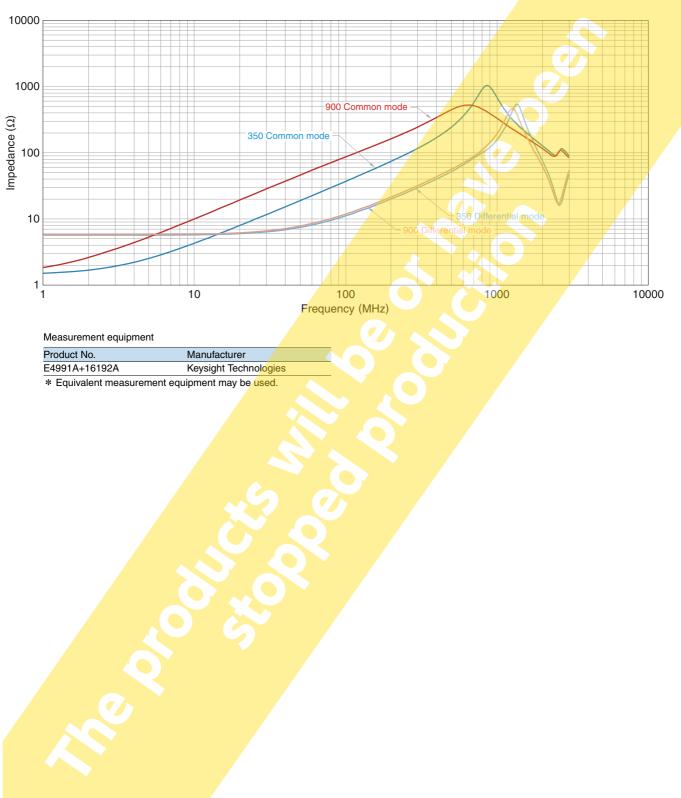
* Equivalent measurement equipment may be used.



cmf_commercial_signal_mcz0605ah_en

MCZ0605AH type

■ IMPEDANCE VS. FREQUENCY CHARACTERISTICS



cmf_commercial_signal_mcz0605ah_en

公TDK

180°C

Time

60 to 120s

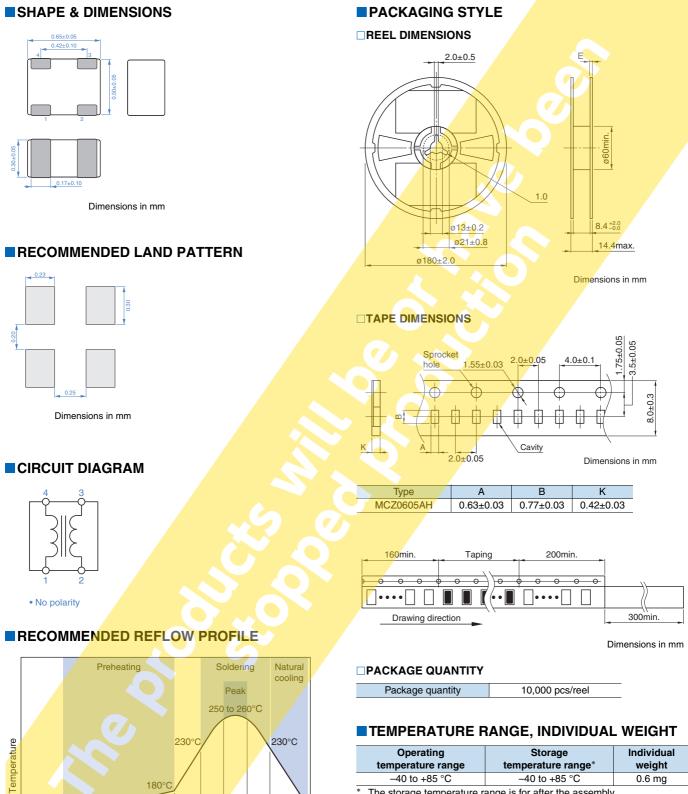
150°

10s max.

30 to 60s

公TDK

MCZ0605AH type



	Operating	Storage	Individual				
	temperature range	temperature range*	weight				
	-40 to +85 °C -40 to +85 °C 0.6 mg						
*	* The storage temperature range is for after the assembly.						

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A Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading. (3/4)

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EMC Components

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.

▲ REMINDERS ○ The storage period is within 12 months. Be sure to follow the storage conditions (temperature: 5 to 40°C, humidity: 10 to 75% RH or less). If the storage period elapses, the soldering of the terminal electrodes may deteriorate. O Do not use or store in locations where there are conditions such as gas corrosion (salt, acid, alkali, etc.). Before soldering, be sure to preheat components. The preheating temperature should be set so that the temperature difference between the solder temperature and chip temperature does not exceed 150°C. O Soldering corrections after mounting should be within the range of the conditions determined in the specifications. If overheated, a short circuit, performance deterioration, or lifespan shortening may occur. O When embedding a printed circuit board where a chip is mounted to a set, be sure that residual stress is not given to the chip due to the overall distortion of the printed circuit board and partial distortion such as at screw tightening portions. ○ Self heating (temperature increase) occurs when the power is turned ON, so the tolerance should be sufficient for the set thermal design. Carefully lay out the coil for the circuit board design of the non-magnetic shield type. A malfunction may occur due to magnetic interference. Ouse a wrist band to discharge static electricity in your body through the grounding wire. O Do not expose the products to magnets or magnetic fields. O Do not use for a purpose outside of the contents regulated in the delivery specifications. O The products listed on this catalog are intended for use in general electronic equipment (AV equipment, telecommunications equipment, home appliances, amusement equipment, computer equipment, personal equipment, office equipment, measurement equipment, industrial robots) under a normal operation and use condition. The products are not designed or warranted to meet the requirements of the applications listed below, whose performance and/or quality require a more stringent level of safety or reliability, or whose failure, malfunction or trouble could cause serious damage to society, person or property. If you intend to use the products in the applications listed below or if you have special requirements exceeding the range or conditions set forth in the each catalog, please contact us. (1) Aerospace/aviation equipment (8) Public information-processing equipment (2) Transportation equipment (cars, electric trains, ships, etc.) (9) Military equipment (3) Medical equipment (10) Electric heating apparatus, burning equipment (4) Power-generation control equipment (11) Disaster prevention/crime prevention equipment (12) Safety equipment (5) Atomic energy-related equipment (6) Seabed equipment (13) Other applications that are not considered general-purpose (7) Transportation control equipment 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.

A Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. (4/4) Please note that the contents may change without any prior notice due to reasons such as upgrading.

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