



Mn-Zn

Ferrite Core for Switching Power Supplies

SP series

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**REMINDERS FOR USING THESE PRODUCTS**

Please be sure to read this manual thoroughly before using the products.

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.

When using the products for specific purposes, please first make confirmations in areas such as safety, reliability, and quality.

Please understand that we are not in a position to be held responsible for any damage or the like caused by any use exceeding the range or conditions of this specification sheet or by any use in the specific applications.

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|---|--|
| (1) Aerospace/Aviation equipment                            | (8) Public information-processing equipment                                  |
| (2) Transportation equipment (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                          |
| (5) Atomic energy-related equipment                         | (12) Safety equipment  |
| (6) Seabed equipment  | (13) Other applications that are not considered general-purpose applications |
| (7) Transportation control equipment                        |  |

When using this product in general-purpose standard applications, you are kindly requested to take into consideration securing protection circuit/equipment or providing backup circuits, etc to ensure higher safety.

# Ferrite Core for Switching Power Supplies

Product compatible with RoHS directive  
Halogen-free

## Overview of the Ferrite Core for Switching Power Supplies

### FEATURES

- ☐ A ferrite core for transformers.
- ☐ Can also be used in reactors.

### APPLICATION

- ☐ Large size industrial equipment, transformers for consumer equipment
- ☐ Reactors
- ☐ Wireless power transfer

### PART NUMBER CONSTRUCTION


PC40	SP	25	x	25	x	5
Material	Core shape	Dimension A		Dimension B		Dimension C
PC40	SP	25		25		5
PC95		50		50		5
PEL95		100		100		5
PEM95		70		20		20
		110		40		20
		135		65		20

### RANGE OF USE AND STORAGE TEMPERATURE

Temperature range	
Operating temperature (°C)	Storage temperature (°C)
-30 to +105	-30 to +85

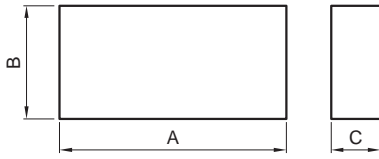
☐ RoHS Directive Compliant Product: See the following for more details. <https://product.tdk.com/info/en/environment/rohs/index.html>

☐ Halogen-free: indicates that Cl content is less than 900ppm, Br content is less than 900ppm, and that the total Cl and Br content is less than 1500ppm.

 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.

# Mn-Zn SP Cores

## SHAPES AND DIMENSIONS



PC40	SP	25	×	25	×	5
Material	Core shape	Dimension A		Dimension B		Dimension C

Material	Part No.	Dimensions (mm)		
	Shape Dimensions	A	B	C
PC40	SP25x25x5	25.0±0.5	25.0±0.5	5.0±0.5
PC95				
PEL95				
PEM95				
PC40	SP50x50x5	50.0±1.0	50.0±1.0	5.0±0.5
PC95				
PEL95				
PEM95				
PC40	SP100x100x5	100±2.0	100±2.0	5.0±0.5
PC95				
PEL95				
PEM95				
PC40	SP70X20X20	70.0±1.4	20.0±0.4	20.0±0.5
PC95				
PEL95				
PEM95				
PC40	SP110x40x20	110.0±2.2	40.0±0.8	20.0±0.5
PC95				
PEL95				
PEM95				
PC40	SP135X65X20	135.0±2.5	65.0±1.5	20.0±0.5
PC95				
PEL95				
PEM95				