

SPECIFICATION

AFS-250-R10-A

(Sintered Ferrite Sheet)

Revision	Contents	Date
0	New	2011. 05. 30

MAY 30, 2011

DCP TECHNOLOGY CO.,LTD

Notes

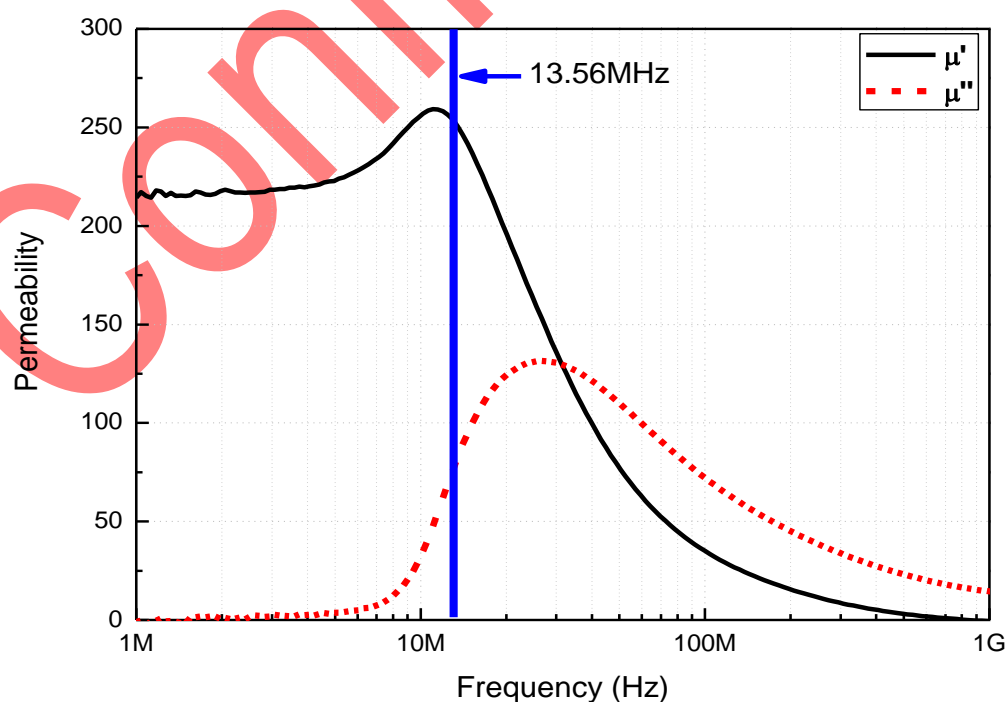
The contents of this data sheet are subject to change without notice.
Please confirm the specifications and delivery conditions when placing your order.

1. SPECIFICATIONS

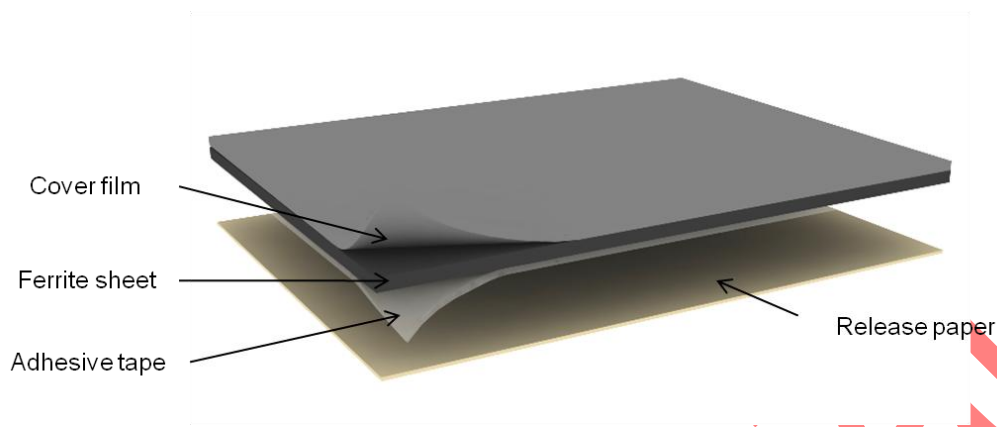
1.1. Physical, Frequency Specifications

Features		Value
Type		Ferrite Sheet
Structure		Single layer
Effective carrier frequency		13.56MHz and below
Operating temperature	(°C)	-40 to +85
Thickness	(mm)	0.10
Dimensions	(mm)	64 X 125
Permeability	(@ 13.56MHz)	μ' 250 \pm 20%
		μ'' 80 \pm 20%

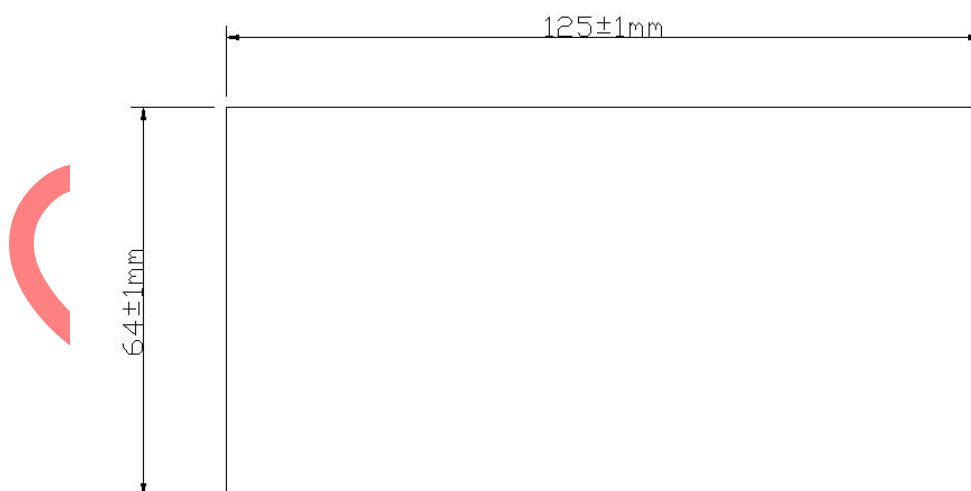
1.2. Permeability characteristic



1.3. Mechanical Specification (Structure and Dimension)



Structure	Thickness (mm)
Cover film	0.030
Ferrite sheet	0.100 ± 0.01
Adhesive tape	0.010
Total	0.140 ± 0.02



2. Part number

AFS - 250 - R10 - A
(1) (2) (3) (4)

- (1) : Amotech Ferrite Sheet
(2) : Permeability (μ' =250)
(3) : Ferrite sheet thickness : R10 (0.100mm)
(4) : Size : A (64*125mm), B (42*125mm), S (special)

3. Environment

AFP series are RoHS compliant products.

4. Reliability Test

No	ITEM	TEST CONDITION	TEST REQUIREMENTS
1	Thermal Shock (Temperature Cycle)	1. -40°C/60min \leftrightarrow +85°C/60min 2. Number of cycle : 30 3. Measure after left for 60 min. at room temperature	1. No visual damage 2. Permeability change \pm within 15%
2	High Temperature Resistance	1. Temperature : +85 \pm 5°C 2. Time : 96 hrs 3. Measure after left for 60 min. at room temperature	1. No visual damage 2. Permeability change \pm within 15%
3	Low Temperature Resistance	1. Temperature : -40 \pm 5°C 2. Time : 96 hrs 3. Measure after left for 60 min. at room temperature	1. No visual damage 2. Permeability change \pm within 15%
4	Humidity (Steady Condition)	1. Humidity : 80 % RH 2. Temperature : +80 \pm 3°C 3. Time : 120 hrs 4. Measure after left for 60 min. at room temperature	1. No visual damage 2. Permeability change \pm within 15%

5. Caution and Warranty

At warehouse:

The temperature should be within 0 ~ 30°C and humidity should be less than 75% RH.

The product should be used within 6 months from the time of delivery.