

RFID Board

Antenna Specification

***KEM* KYOTO ELECTRONICS
MANUFACTURING CO.,LTD.**

Overseas Division: Yamawaki Bldg 9F 4-8-21 Kudan Minami,
Chiyoda, Tokyo 102-0074 JAPAN
FAX: +81-3-3237-0537, Phone: +81-3-3239-7333
E-mail: overseas-tokyo@kyoto-kem.com
[URL: http://www.kyoto-kem.com](http://www.kyoto-kem.com)
Factory: 56-2 Ninodan-cho, Shinden Kisshoin, Minami-ku, KYOTO
6048317, JAPAN
FAX: +81-75-691-9961, Phone: +81-75-691-4122

<http://www.kyoto-kem.com> |

AN 59-***** Ver.01

Table of Contents

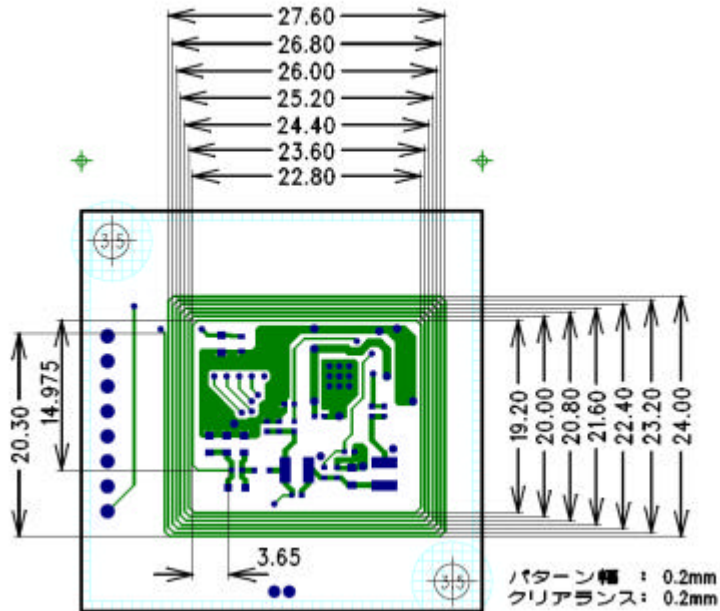
	Page
1. Antenna Specification	1
1-1. Antenna Specification	1
1-2. Shape of the antenna	1
1-3. RFID Board Specification	2

1. Antenna Specification

1.1. Antenna Specification

Specification	Contents
Model	RFID Board
Shape	Print pattern antenna
Frequency	13.56MHz
Characteristic impedance	50Ω
Maximum gain	-59.41 dBi
Ambient conditions	Temperature : 5 to 35 Humidity : 85%RH or below (no condensation)
Antenna Dimensions	27.6 (W) × 24 (D) × 0.018 (H) mm
Weight	Approx. 6g

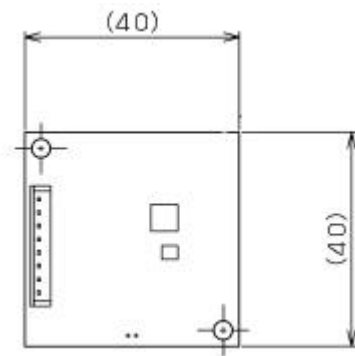
1.2. Shape of the antenna



1.3. RFID Board Specification

< Appearance >

2) 1)



- 1) RFID Board
- 2) Interface cable connector

< Circuit Board Specification >

Item	Contents
Name	RFID Board
Part Number	20-09376
Dimensions	40×40mm
Materials	FR-4
Thickness of the circuit board	t = 1.6mm
Number of layers	4-layer
Thickness of the copper foil	18μm

Connector type: EH connector B8B-EH (JST)

Pin Number	Signal Description
1	IRQ
2	SS
3	DIN
4	DOUT
5	CLK
6	EN
7	VCC (3.3V)
8	GND