

KM-154A

Zigbee_Module

User Manual

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1.Introduction

This manual are applied to Zigbee_Module(KM154A).

2.Temperature Range

Parameter	Humidity Condition	Min	Typ	Max	
Operating Temperature Range	20~85%	-20		70	°C
Storage Temperature Range	0~80%	-30		80	°C

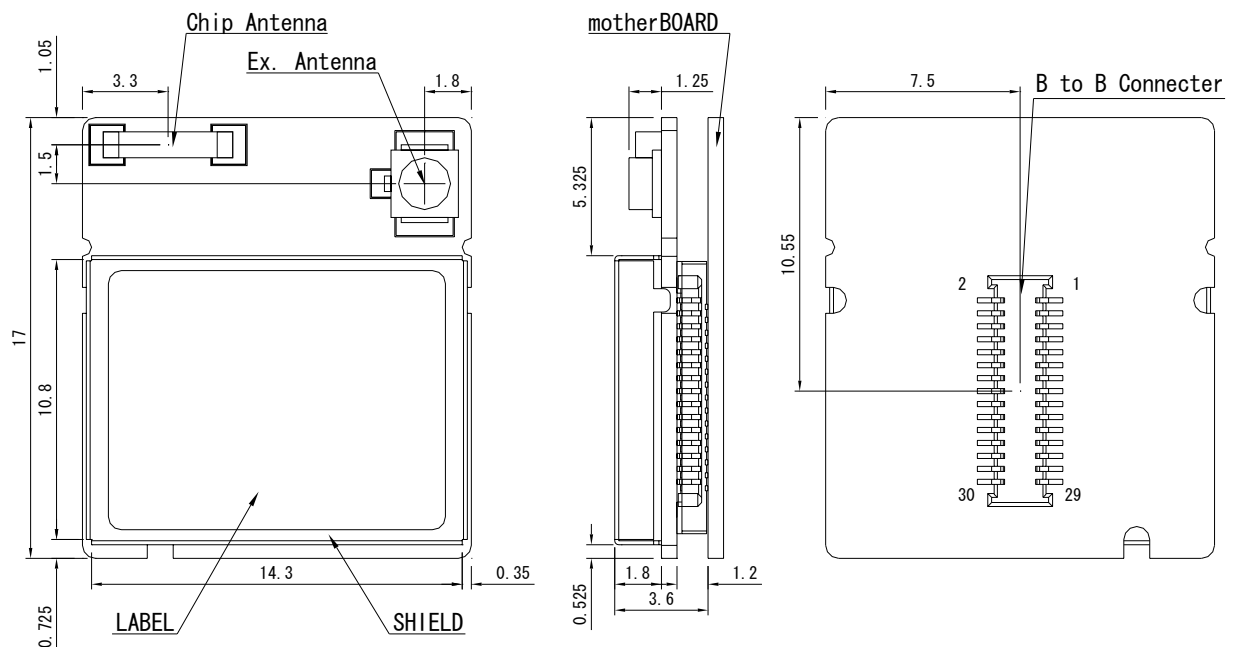
3.Absolute Maximumratings

Symbol	Parameter	Rating	Unit
V _{CC}	Supply Voltage	-0.3 to 3.6	V
RF _{IN}	Input RF Level	10	dBm

4.DC Characteristics

Symbol	Parameter	MIN	TYP	MAX	Unit
V _{CC}	Supply voltage	2.7	3.0	3.3	V
V _{IH}	High level input voltage	0.7xV _{CC}		V _{CC}	V
V _{IL}	Low level input voltage	0		0.3xV _{CC}	V
V _{OH}	High level output voltage	V _{CC} -0.5		V _{CC}	V
V _{OL}	Low level output voltage	0		0.4	V

5.Outline



1)Either a built-in antenna or an external antenna can be used.

6.Directions

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
2. FCC inserts:
statement cautioning the user that changes or modifications not expressly approved by Kaga Electronics Co.,Ltd could void the user's authority to operate the equipment.
3. Please do not put the metallic one (parts, GND patterns, signal wires, and cases, etc.) near the module.
*This greatly influences a wireless performance.
- 4.Do not put parts between the module and the mother board.
- 5.Design the GND area on the mother board side as widely as possible.