

ANTENNA (ZLS002750) SPECIFICATIONS

1. Scope

This Product Specification covers the mechanical, electrical and environmental performances specification for ZLS002750.

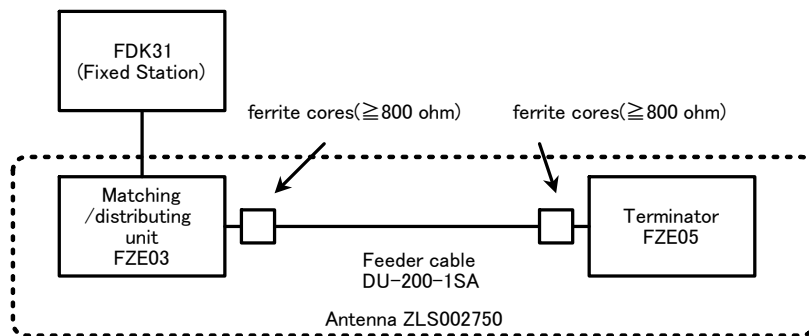
2. Product description

2-1. Antenna model

Antenna model: ZLS002750

2-2. Description

FDK31TU (fixed station) outputs its modulated signals to the 200-ohm feeder cables. Please note that a matching/distributing unit is necessary to attach 200-ohm feeder cables to this modem.



3. General specification

Product name	ZLS002750
frequency	151 - 156MHz, 230 - 235MHz, 302 - 322MHz
Operating with matching	-10°C~+50°C
Storage with matching	-20°C~+70°C
RF power	100mW
Impedance with matching	50 Ohms
Antenna type	Leaky Feeder Cable
Connector type	BNC
Single weight	approx. 630g

4. Antenna specification

4-1. Electrical requirement

Frequency Range	151 - 156MHz	230 - 235MHz	302 - 322MHz
Peak Gain(max)	-30dBi max.	-30dBi max.	-30dBi max.
Average Total efficiency	>60%		
Return Loss	<10dB		

4-2. Mechanical specification

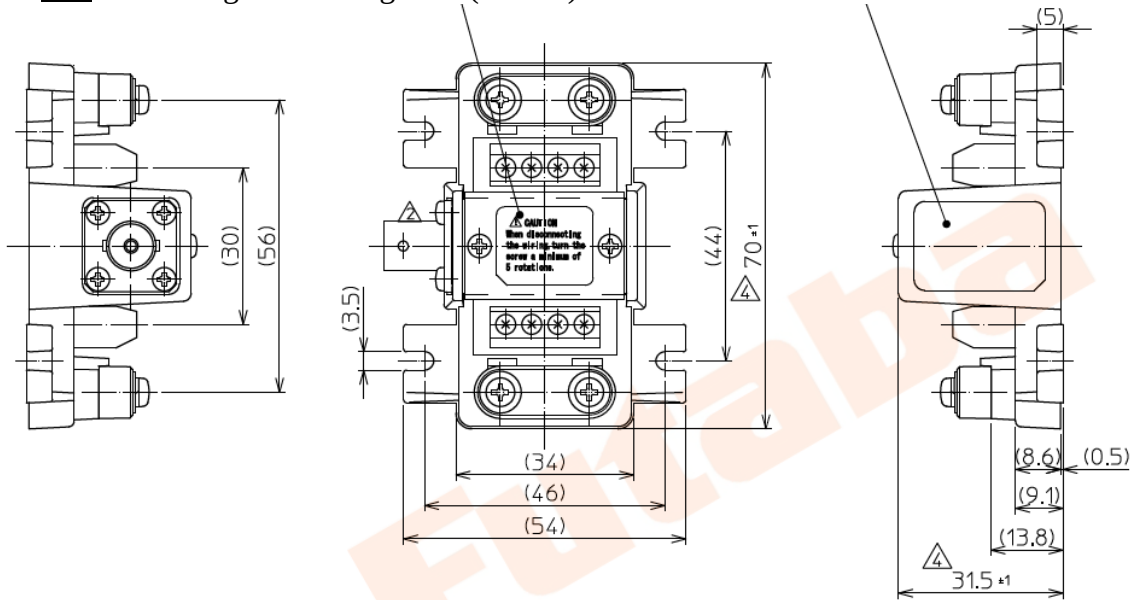
Minimum Bending Radius	60mm min.
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5. Environmental specification

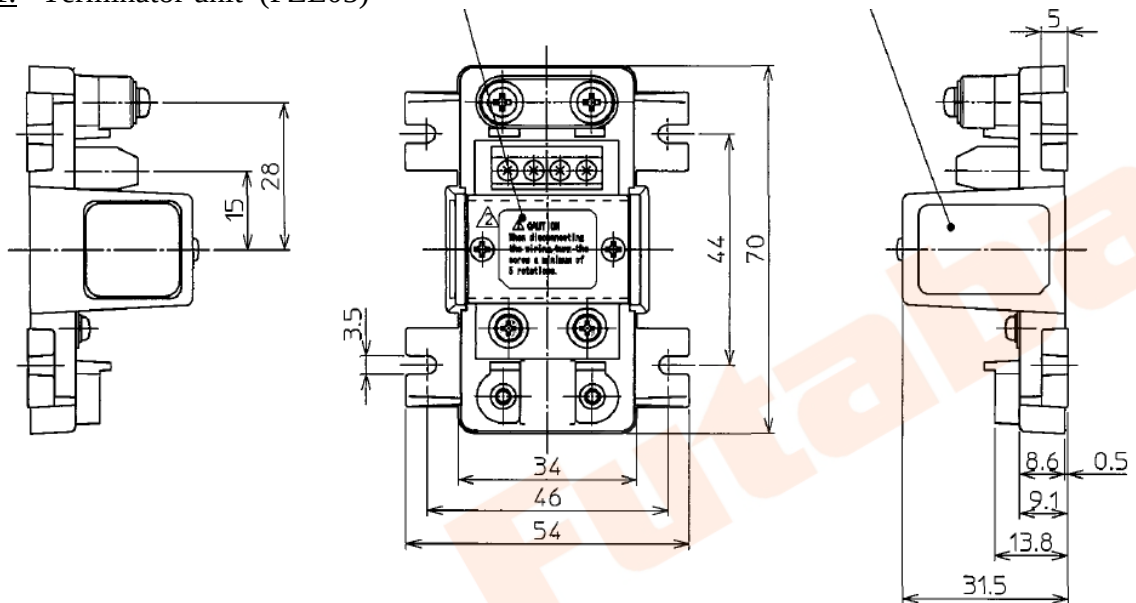
Description	Specification
Temperature /Humidity cycling	The following is one cycle and 10 cycles of the test shall be conducted.

6. Dimension

6-1. Matching/distributing Unit (FZE03)

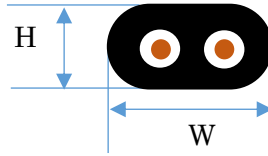


6-1. Terminator unit (FZE05)



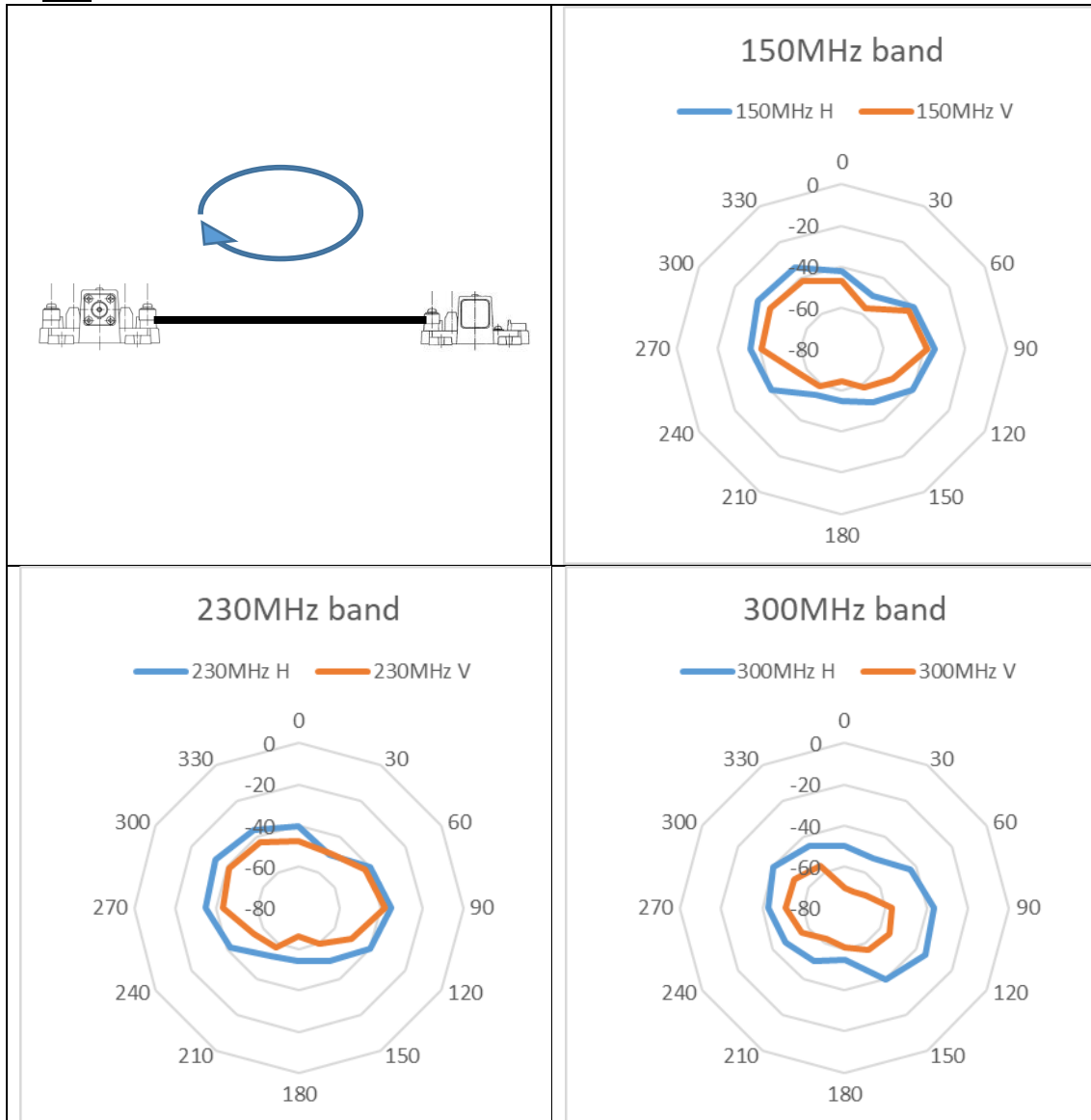
6-2. Feeder Cable DU-200-1SA

Outer dimensions: 5.0(H) x 9.2(W) mm



7. Radiation pattern

7-1. Pattern



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