PART NUMBER RA-UC-SFF-622602

RFID Slim CP6226



FREQUENCY RANGE

0.902 to 0.928 GHz

GAIN, TYP

12 dBic

DIMENSIONS

620 × 260 × 11 mm

The RFID Slim CP6226 is an 11 mm thin UHF RFID panel antenna covering 0.902 to 0.928 GHz with 12 dBic typical gain. It keeps a good sidelobe level while holding the axial ratio low (1.5 dB typical) across the entire US band, and its RHCP circular polarization tolerates varied tag orientation. A 620 × 260 × 11 mm acrylic-covered body with SMA Female connector and 10 W maximum power suits warehouse, retail inventory, asset tracking and access control installations.

APPLICATIONS

- Warehouse Management
- Retail Inventory
- Asset Tracking
- Library Management
- Access Control

FEATURES

01 Good sidelobe level (13 dB typ.) with low axial ratio across the entire US band

02 12 dBic typical gain across 0.902 to 0.928 GHz

03 RHCP (or LHCP) circular polarization with 1.5 dB typical axial ratio

04 VSWR ≤ 1.4, front to back ratio > 20 dB and 10 W maximum power

05 620 × 260 × 11 mm slim acrylic cover with SMA Female connector

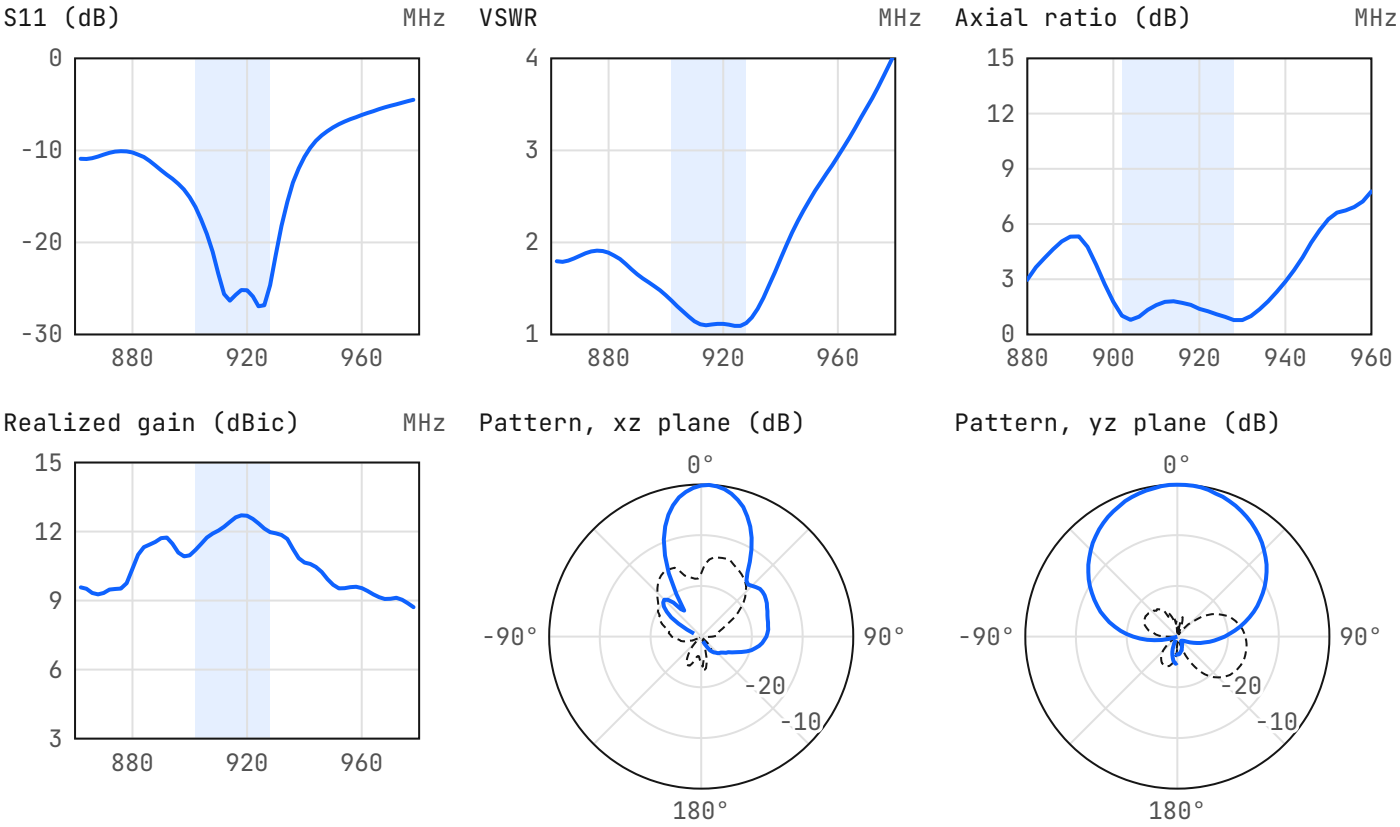
Technical specifications

RA-UC-SFF-622602

Frequency Range	0.902 to 0.928 GHz
VSWR	≤ 1.4
Axial Ratio (typ.)	1.5 dB
Gain, Typ	12 dBic
Power max	10 W
Polarization	RHCP (or LHCP)
Dimensions	620 × 260 × 11 mm
Connector	SMA Female

Cover	Acrylic
Front to Back Ratio	> 20 dB
Impedance	50 Ω
3-dB Beamwidth (XZ plane)	33°
3-dB Beamwidth (YZ plane)	60°
Sidelobe (typ.)	13 dB

TYPICAL TEST RESULTS



LHCP ---- RHCP

Measured data, redrawn from the technical data sheet RA-UC-SFF-622602 v1.2. Shaded band: 902 to 928 MHz. Radiation patterns are normalized and measured at 920 MHz.