

Antenna model number seen on “Antenna External Photos” document, S8658WPR-P-01 has the same specifications as the antenna model S8658WPR-T-01, specifications of which is attached to this document.

A letter from Cushcraft confirming this can be found on the next page.

The antenna model number S8658WPR, which is mentioned in the modular approval request letter and the manual, is identical to S8658WPR-T-01 and S8658WPR-P-01. Specifications of both S8658WPR-T-01 and S8658WPR are included in this filing, which prove that they are identical antennas.



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November 16, 2007

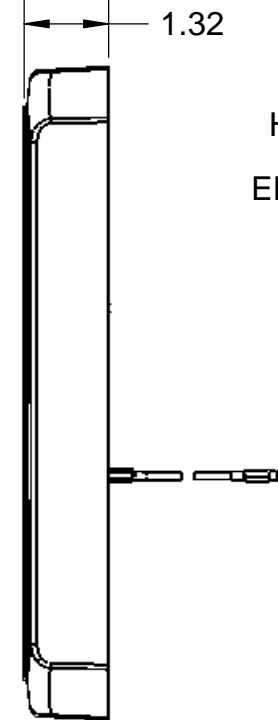
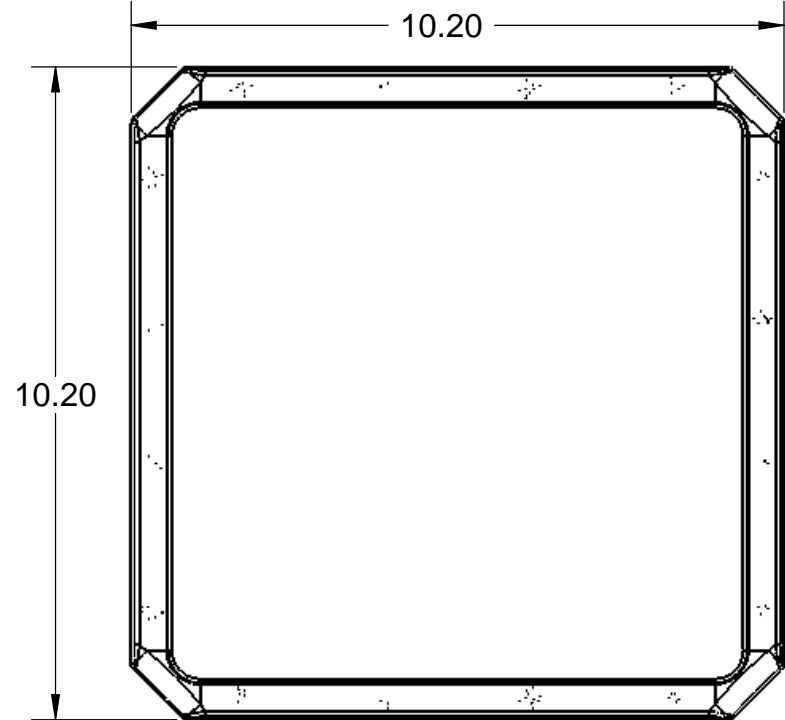
Re: RFID antenna part number

To Whom it May concern,

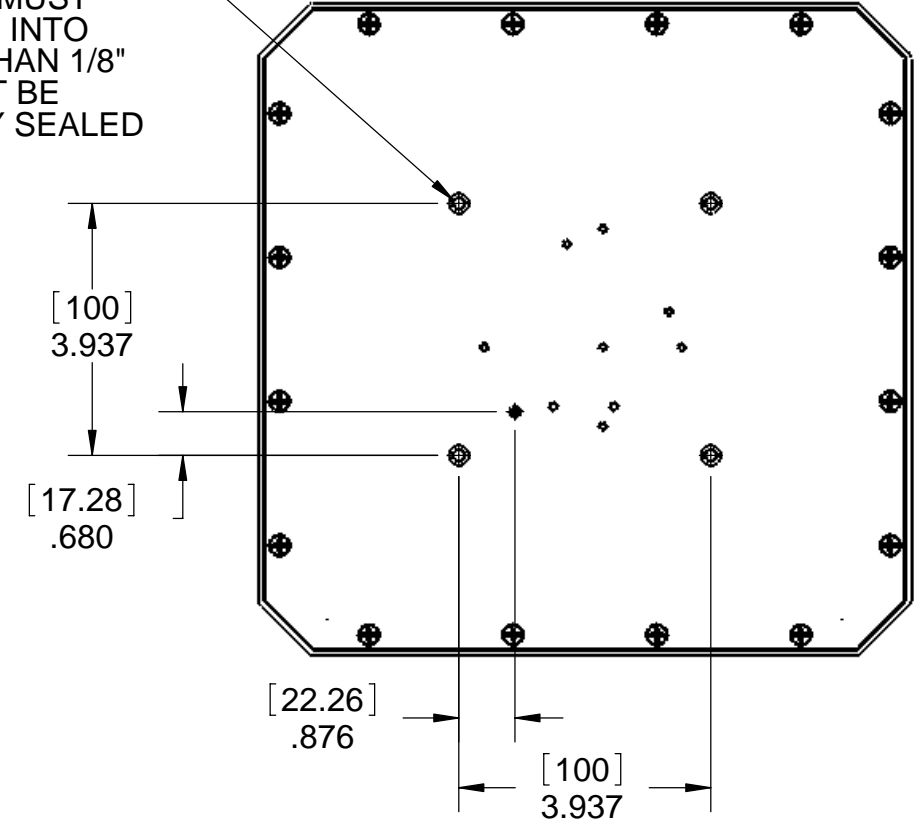
The Cushcraft part number S8658WPR-T-01 (RFID antenna) on units supplied to ThingMagic were labeled as S8658WPR-P-01. They are both the same part and have the same specifications.

Mark Miller  
Product Manager  
Cushcraft Corporation  
A unit of Laird Technologies

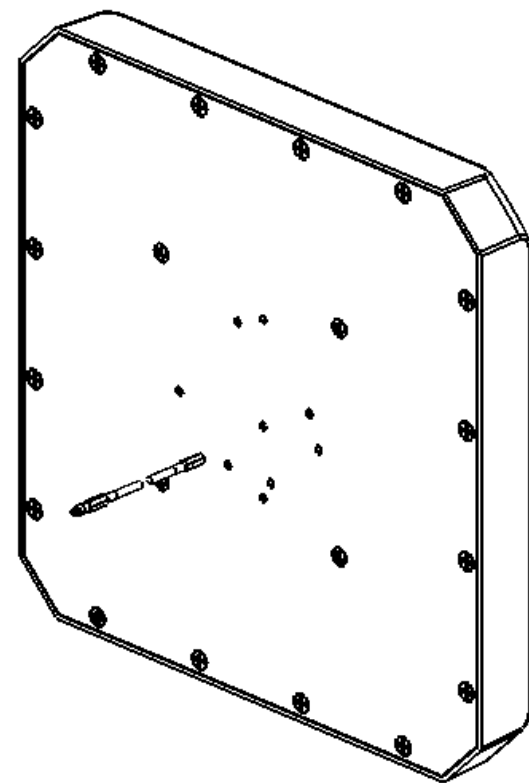
REVISIONS				
REV.	ECR #	DESCRIPTION	CHANGED BY/DATE	APPROVED BY/DATE
1		PRELIMINARY RELEASE	S.J. 06-19-2007	S.J. 06-19-2007
2		ADDED PIGTAIL LENGTH TO CHART	S.J. 07/17/2007	S.J. 07/17/2007
3		AXIAL RATIO WAS 1.5 dB max., Max. VSWR Free Space WAS 1.22:1, REMOVED Max. VSWR Ground at .15 Meters	S.J. 09/14/07	S.J. 09/14/07



4X M5X0.8 PEM NUT  
MATING SCREW MUST  
NOT PROTRUDE INTO  
HOUSING MORE THAN 1/8"  
UNIT WILL NOT BE  
ENVIRONMENTALLY SEALED



Parameter	Performance
Antenna Part Number	S8658WPR-T-01
Frequency	865-956 MHz
Gain	6 dBil max.
Axial Ratio	2 dB
Nominal Impedance	50 Ohm
Polarization	RHCP
Max. VSWR Free Space	1.4:1
Horizontal 3 dB Beamwidth	65 Degree
Vertical 3 dB Beamwidth	65 Degree
Front to Back Ratio	18 dB
Pigtail Length	24"
RF Connector	MMCX
Power	2 Watts
Weight	2.5 lbs
RoHS	Compliant
Transport Vibration	IEC-68 series
Environmental	IP54
UV Rating	F2 per UL 746C



MATERIAL: N/A		THIRD ANGLE PROJECTION	
FINISH: N/A		DO NOT SCALE DRAWING	
APPROVALS		DATE	
DRAWN BY	S JOHNSON	06-19-07	
PROJ. ENG.			
ENG. MGR.			
INTERPRET DIMENSIONING AND TOLERANCING IN ACCORDANCE WITH ASME Y14.5M-1994			
TOLERANCES UNLESS OTHERWISE SPECIFIED			
DIMENSIONS ARE IN INCHES			
FRACTION : ±1/64			
ANGLE: ±30'			
1 PLACE DECIMAL: ±0.1			
2 PLACE DECIMAL: ±0.01			
3 PLACE DECIMAL: ±0.005			
SURFACE ROUGHNESS 63/			



TITLE: <b>S8658WPR-T-01 MOUNTING &amp; OUTLINE</b>		
SIZE <b>B</b>	DWG. NO. <b>S8658WPR-T-01MO</b>	REV <b>3</b>
SCALE: 1:3	PREVIOUS#	SHEET 1 OF 1

The component(s), including any plating or coatings, supplied per this drawing must be compliant with EU Directive 2002/95/EC (RoHS Directive).

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