


				REVISIONS							
				REV.	DESCRIPTION	DATE	DRAWN	CHK'ED	APPRV		
				A	INITIAL RELEASE	11/12/2013	MSL	JCT	JFG		
TITLE LINE 1		SENSOR, RF ANTENNA, TAOGLAS ANTENNA SOLUTIONS		MANUF. PART #		FXP.840.07.0055B					
TITLE LINE 2		P/N: FXP.840.07.0055B		MANUF. CAGE CODE		N/A					
GOV. OR COMMERCIAL SPEC. #		N/A		MANUFACTURER		TAOGLAS ANTENNA SOLUTIONS					
SUPPLIER PART #		931-1222-ND		MANUF. ADDRESS		8375 CAMINO SANTA FE, SUITE A					
SUPPLIER CAGE CODE		2S894				SAN DIEGO, CA 92121					
PREFERRED SUPPLIER		DIGI-KEY				USA					
SUPPLIER ADDRESS		701 BROOKS AVENUE SOUTH		MANUF. TELEPHONE		1-858-450-0888					
		THIEF RIVER FALLS, MN 56701 USA									
				MANUF. WEBSITE		http://www.taoglas.com/					
SUPPLIER TELEPHONE		1-800-344-4539									
SUPPLIER WEBSITE		<input checked="" type="checkbox"/> MANUFACTURER WEBSITE <input type="checkbox"/> MANUFACTURER CATALOG									
REFERENCE DATA SOURCE											
SPEC. SHEET LINK		http://taoglas.com/images/product_images/original									
CATALOG ID		N/A									
<div></div>				DRAWN:	SEE RB	SEE RB	SENSOR, RF ANTENNA, TAOGLAS ANTENNA SOLUTIONS				
				CHK'ED:	SEE RB	SEE RB	P/N: FXP.840.07.0055B				
				APPRV:	SEE RB	SEE RB	C000225				REV
					SIZE	CAGE					A
					B	5B2G7	SHEET:	1	OF	2	

QNATSG1303 Form Rev C



SPECIFICATION

PATENT PENDING

Part No. : **FXP.840.07.0055B**

Product Name : FXP.840 Freedom Series
Super Small Monopole
Dual-band 2.4 GHz /5 GHz Antenna

Features : Flexible and Tiny - Ultra Low Profile 14mm*5mm*0.1mm
2dBi Peak Gain
Adheres directly inside of product plastic or glass housing
Form factor and cable routing convenient for integration
IPEX MHF1 Connector (U.FL compatible)
55mm Ø 0.81mm mini-coaxial cable
Customizable cable and connector
RoHS Compliant



ELECTRICAL		
Antenna	FXP.840	
Standard	2400 MHz	5800 MHz
Operation Frequency (MHz)	2410-2490 MHz	4900~5800 MHz
Polarization	Linear	Linear
Impedance	50 Ohms	50 Ohms
Max VSWR	2:1	2.5:1
Max Return Loss (dB)	-10	-7.0
Peak Gain (dBi)	2.0	2.5
Efficiency (%)	40	53
Average Gain (dB)	-3.9	-2.8
Radiation Properties	Omni	Omni
Max Input Power	2W max	2W max

* The FXP840 antenna performance was measured on a 30x30mm 2mm thickness ABS plastic.

MECHANICAL	
Dimensions (mm)	14 x 5.0 x 0.1
Required Space (mm)	14 x 5.0 x 0.1
Material	Polymer
Connector	IPEX MHF1

ENVIRONMENTAL	
Operation Temperature	-40°C to 85°C
Storage Temperature	-40°C to 85°C
Relative Humidity	40% to 95%
RoHS Compliant	Yes



SENSOR, RF ANTENNA, TAOGLAS ANTENNA SOLUTIONS

P/N: FXP.840.07.0055B

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