

New Engineering Part Number Form

Company Name:	Digital Security Controls	Incoming Date:	2015/05/06
Type Of Part:	Antenna	Delivery Date:	2015/05/06
DSC Part Number:	19001253		

DSC Contact:	Shen, Da	Phone #:		Ext.	2732
Distributor Contact:	Visonic	Phone #:	NA	Ext.	

Part Description
868MHZ COIL ANTENNA SURFACE MOUNTED WITH PLASTIC CAP

Manufacturer Name:	OCEAN SPRING
Manufacturer Part Number:	20-9154-10008
Country Of Manufacture:	NA

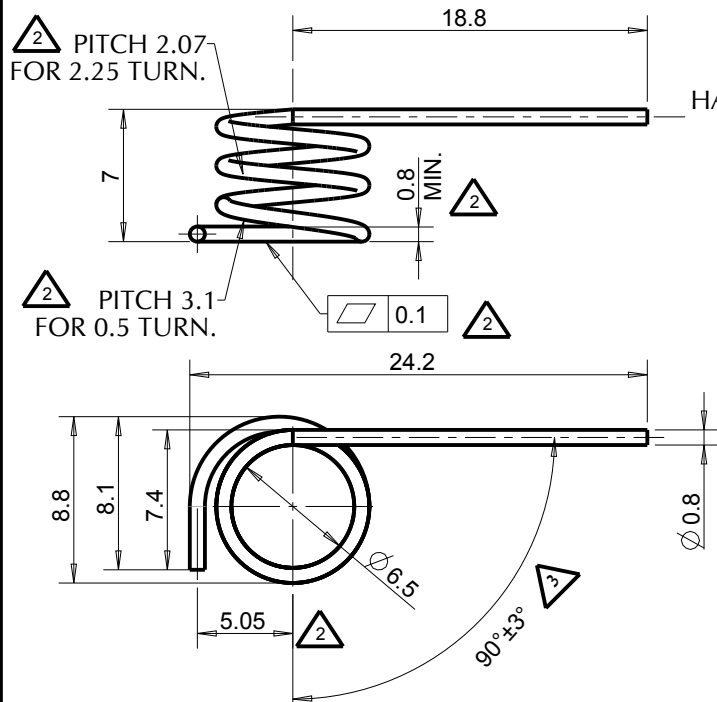
NOTE: Check MES for latest approved vendor list and up-to-date pricing for this part.

Cost Per Volume:	NA	Literature / Marketing Part	
Forecasted Quantity:	NA	Number Information	
Approximate Lead Time:	NA	# Of Pages:	
Release To Production Date:	2015/05/06	# Of Colours:	
Manufacturer Specs Attached:	No	PMS Colours:	
DSC Purchasing Specs Attached:	No	Type Of Paper:	
Safety Critical Component:	No	Size of Paper:	
Certificate Of Compliance:	No	Language:	
RoHS Compliant?	Yes		

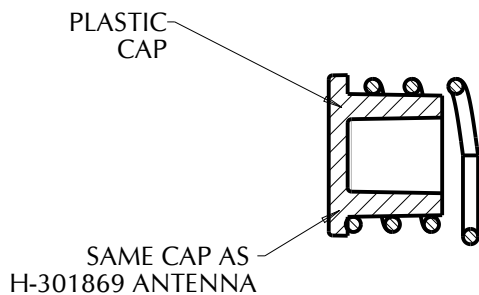
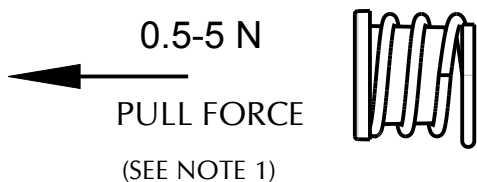
Affected Products
Apollo CO/Smoke Detectors

<i>Reason For Part Selection:</i>	
Need coil antenna with plastic cap for RFD radio	

Processed By:	Hyly
Date Processed:	06/05/2015 10:38:24 AM

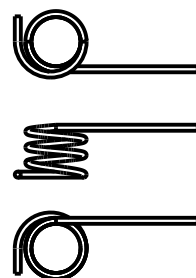


**MATCH THE CAP
ACCORDING THE FOLLOWING:**



BETWEEN TURNS
HAVE TO BE CREARANCE
0.4 mm MINIMUM

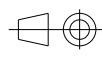
SCALE 1.000



NOTES: 2

- Material: Music wire per ASTM A228, $\varnothing$ 0.8mm
- Ni undercoating of at least 1.3 μ m, prior to tin plating.
 - Tin plating per ASTM B545: CLASS B minimum thickness 5 μ m.
 - Hydrogen embrittlement relief: for material thickness <3mm 170°C for at least 5 Hr.
 - All Tin plating requirements: Per ASTM B545.
 - Testing results: a) Thickness coating
b) Solderability results per J-STD-002.
- All materials have to be ROHS and REACH COMPLIANT.
- Separation pull force between antenna and plastic cap must be 0.5-5N
- CAP MATERIAL MUST BE RESISTANT TO SOLDERING TEMPERATURE (about 270 degrees Celsius)

SCALE: 2.5:1

 Visonic Ltd				DOC.REV.	PRODUCT NAME:	WEIGHT (kg):	Upd.	REF.
QA-213	NAME	DATE	SIGNATURE	PART NAME:	RFD ANTENNA SMD (868)	MATERIAL: SEE NOTE	0	13600
DESIGNED	YIGAL B.	15.06.10		CATALOG No.	H-302031	TOLERANCES (In mm.)	1	13581
DREW	YIGAL B.			DRAWING No.		0-10 $\pm$ 0.05	2	19983
UPDATED	YIGAL B.	11.12.16		CAD FILE:	H-302031_ANTENNA_SM_868	11-50 $\pm$ 0.1	3	20352
CHECKED				SHEET #/of		51-100 $\pm$ 0.15	4	
APPROVED	ZOHAR G.	25.06.16				101-200 $\pm$ 0.2	5	
						UNLESS OTHERWISE STATED	6	