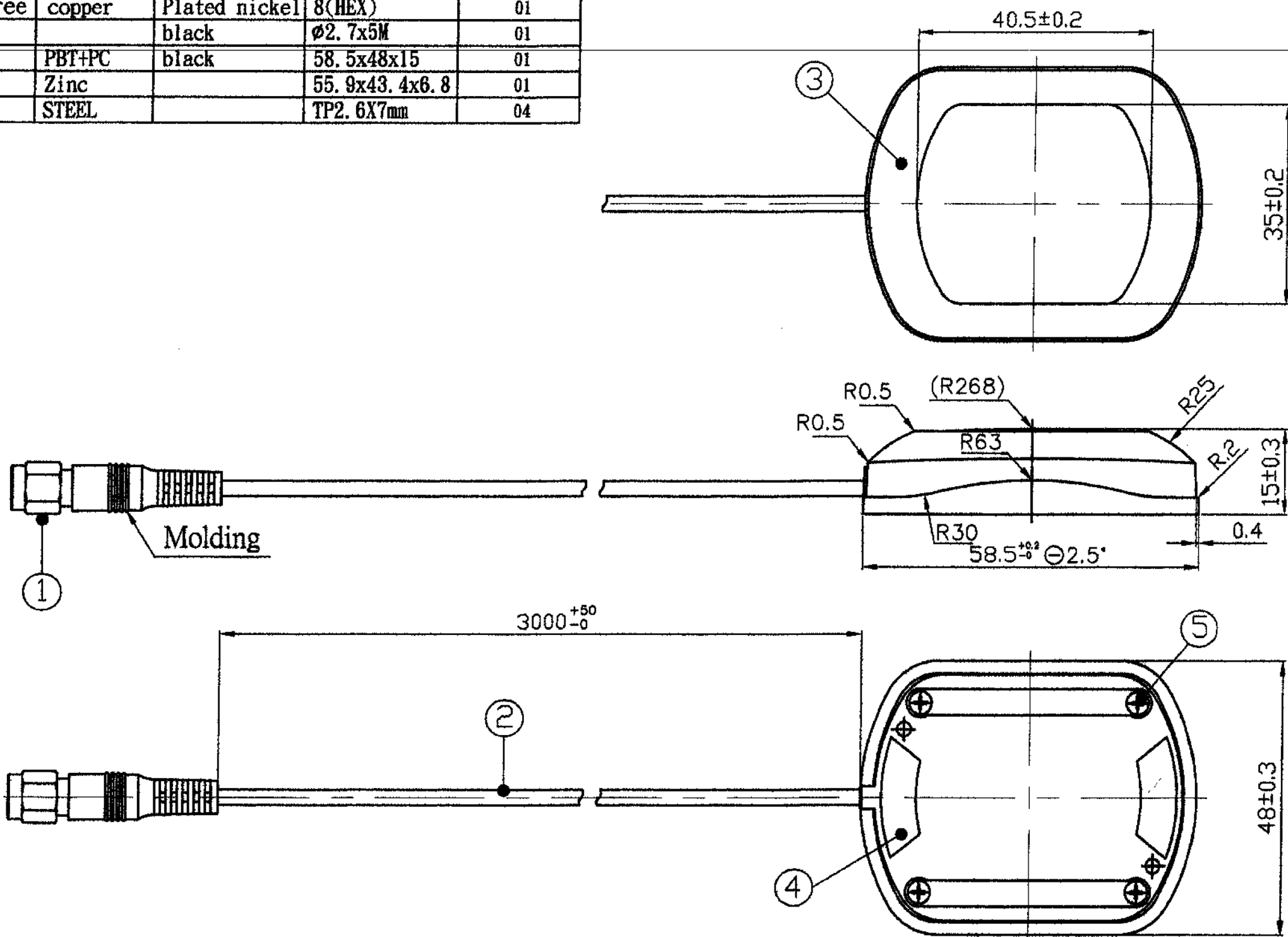


NO.	Items	Material	Color	Spec	Quantity
01	SMA (Male)180 degree	copper	Plated nickel	8(HEX)	01
02	Cable RG-174		black	ø2.7x5M	01
03	Upper cover	PBT+PC	black	58.5x48x15	01
04	Bottom cover	Zinc		55.9x43.4x6.8	01
05	SCREW	STEEL		TP2.6X7mm	04



NOTICE

P/NO	MATERIAL					NOT
DATE	20110128	Gilsson Technologies				TITLE:
3RD ANGLE						
UNIT	mm	DESIGNED	DRAWN	CHECKED	APPROVED	P/N.
SCALE	X					SMA1M09B180-NM
TOLERANCE	± 0.1					DWG No.

Specifications

Physical Condition

Construction:	Polycarbonate radome enclosure and die-cast-shell at the bottom
Dimension:	58 mm(L)x 48 mm(W)x 15 mm(H)
Weight:	63 grams (excluding cable & connector)
Standard Mounting:	screw mount with 2 M3 tapped holes on the base.
Optional Mounting Plate:	Metal flanges with holes for permanent mount.
Cable & Connector	
RF Cable:	3 meters RG174/U (standard) cable
Pulling Strength:	6 Kg @ 5 sec.
Connector Available:	SMA straight 180 male connector
Optional Adapters:	
Antenna Element	
Polarization:	R.H.C.P. (Right Hand Circular Polarization)
Absolute Gain at Zenith:	+5 dBi typically
Gain at 10o Elevation:	-1 dBi typically
Axial Ratio:	3 dB max.
Low Noise Amplifier	
Gain:	30 dB typically
Band Width:	2 MHz min.
Noise Figure:	1.3 max.
Supply Voltage:	2.5~5.5V DC
Current Consumption:	10.3mA \pm 1mA @ 2.7V ~ 2.9V DC 11.5mA \pm 1mA @ 5.0V DC
OVERALL PERFORMANCE (Antenna Element, LNA & Cable)	
Center Frequency:	1575.42 MHz.
Gain:	30 dB min.
Noise Figure:	2.0 max.
Axial Ratio:	3 dB max.
VSWR:	2.0 max.
Output Impedance:	50 ohm
Environmental conditions	
Operating Temperature:	-40°C~+85°C
Storage Temperature:	-50°C~+90°C
Relative Humidity:	95% non-condensing