

The MHA006 is used to improve received system performance across the band 100MHz-500MHz. By using a Masthead amplifier overall system noise figure is improved. The MHA is powered through the coax cable by Stancoms Smart Bias Tee, SBT003/4A.



Specification:

Parameter (Masthead)

Limits

Electrical:

Frequency Range	100 – 500MHz
Gain	20dB typical
Gain Variation	+/- 1 dB
Noise Figure	Typ 1dB. Max 1.5dB
TOIP	>+30dBm
P1dB compression Point (Output)	>+14dBm
Input Return Loss	< -14dB. (VSWR < 1.5:1)
Output Return Loss	< -14dB. (VSWR < 1.5:1)
Input Impedance	50 Ohms
Output Impedance	50 Ohms
RF Connectors	N type (F)
Voltage	+15 to +24V
Current	Typ 80mA

Mechanical:

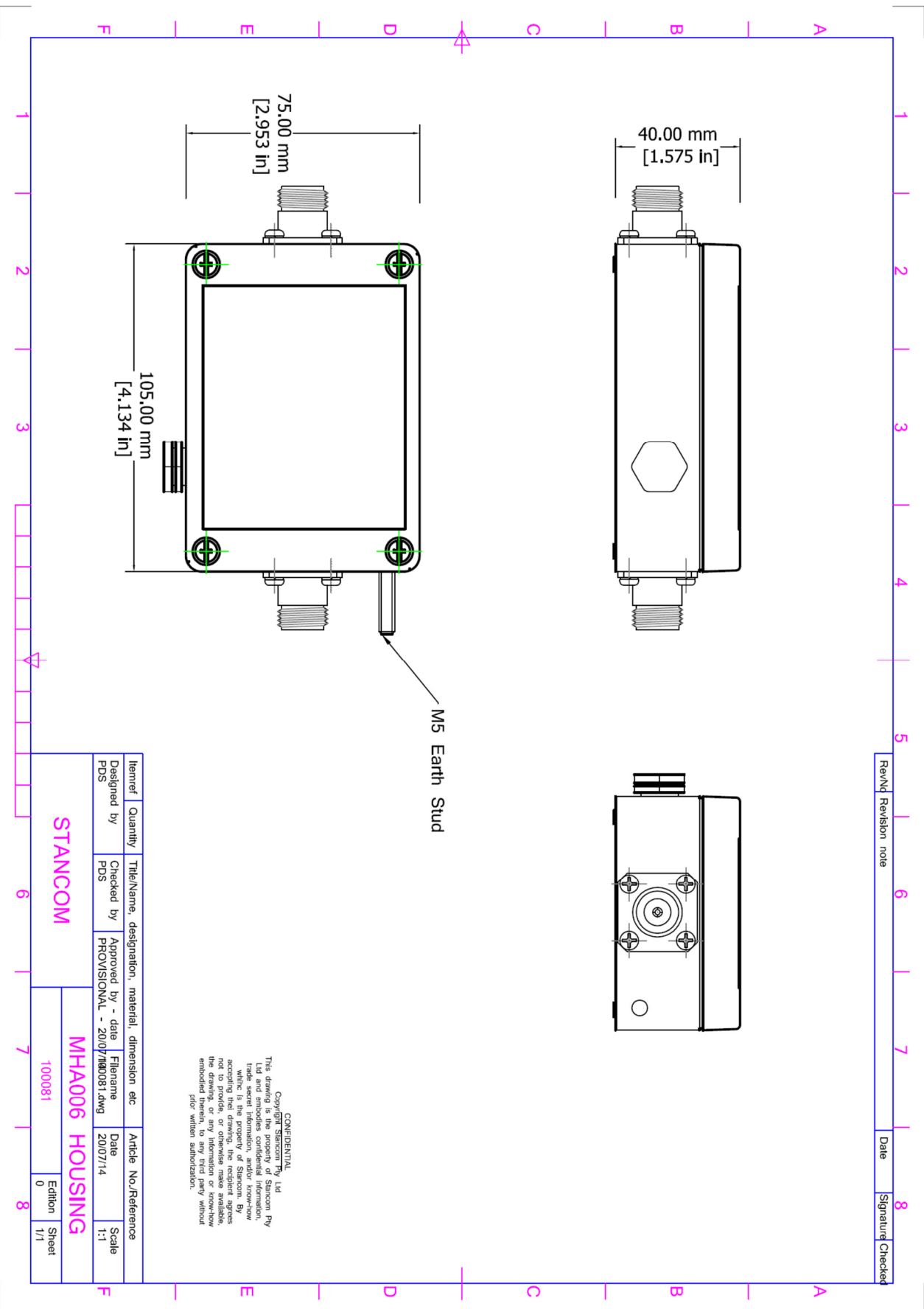
Case Size. (Masthead)	105 x 75 x 40mm (Excluding Connectors)
Weight:	0.5kg
Material	Aluminium Main housing with screen and polycarbonate cover.

Environmental:

Temperature:	-40 to +65 °C
Weatherproofing	Unit is waterproof to IP67.

Includes MHA mounting kit for 50-150mm Pole.





M5 Earth Stud

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Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference
Designed by PDS	Checked by PDS	Approved by - date PROVISIONAL - 2007/11/08	Filename MHA006.dwg	Date 2007/11
STANCOM		MHA006 HOUSING		
		100081	0	1/1

Rev/Id	Revision note	Date	Signature	Checked

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