3rd ANGLE PROJECTION

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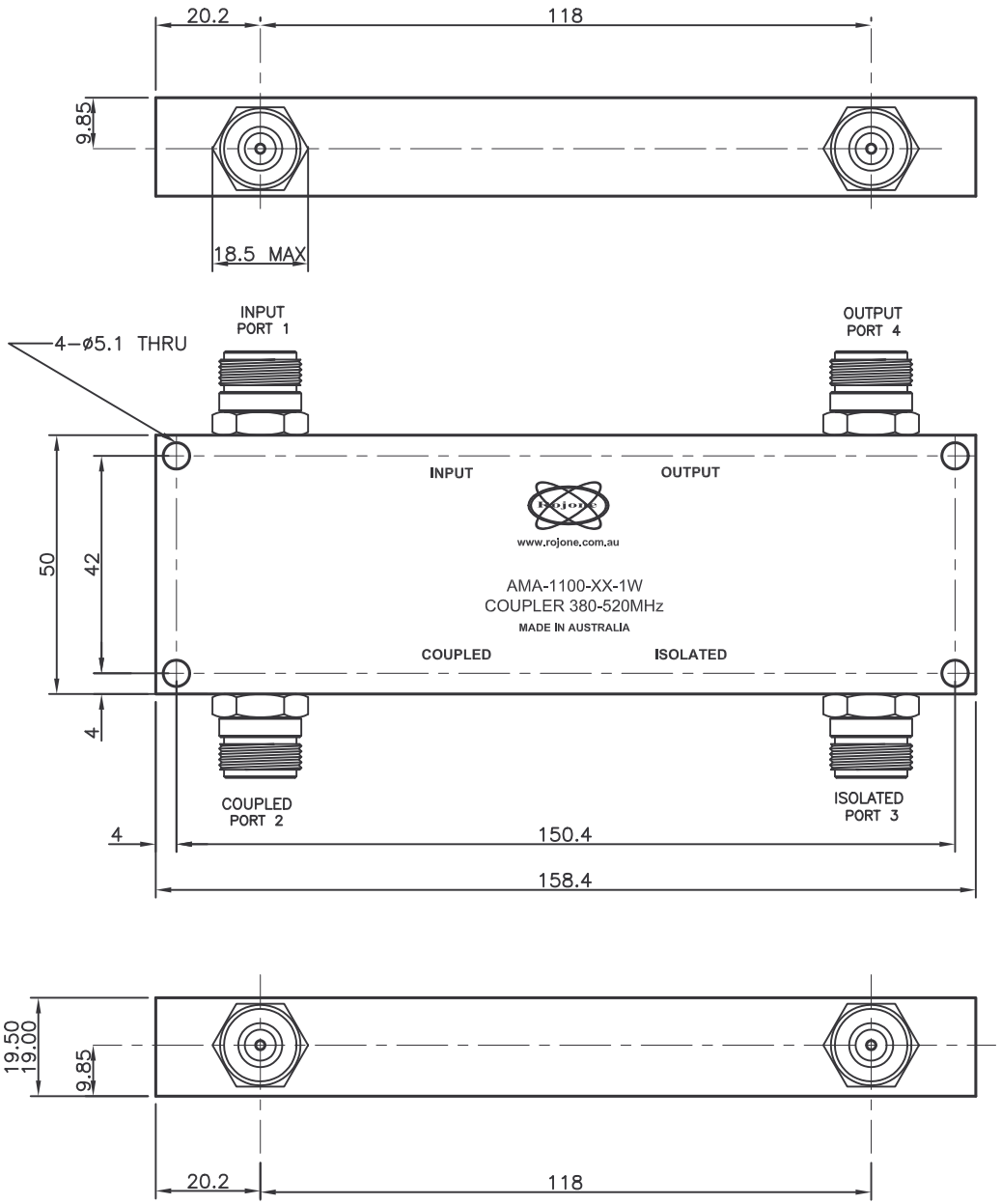
DO NOT SCALE



SPECIFICATIONS

FREQUENCY RANGE – 380 TO 520MHz
COUPLER TYPE – 4 PORT DIRECTIONAL
POWER HANDLING – 100W CW (@25°C)
COUPLING VALUE – 3,6,10,15,20,30dB
DIRECTIVITY – 20dB (typ)
RETURN LOSS – 20dB (typ)
ISOLATION – 20dB (typ)

INSERTION LOSS (THRU LINE)
3 – 3.5dB
6 – 1.76dB
10 – 0.96dB
15 – 0.64dB
20 – 0.54dB
30 – 0.50dB

INSERTION LOSS (COUPLED LINE) – COUPLING VALUE + DISSIPATIVE LOSS
DISSIPATIVE LOSS – 0.5dB (typ)
OPERATING TEMPERATURE – 0° TO +85° CELCIUS
STORAGE TEMPERATURE – 0° TO +95° CELCIUS
WEIGHT – 400 GRAMS ALUMINIUM HOUSING (WITHOUT LOAD)
– 900 GRAMS BRASS HOUSING (WITHOUT LOAD)

NOTES:

1/ FOR ASSEMBLY DRAWING SEE 001001100004
'H' PATTERN SERIES COUPLER ASSEMBLY DRAWING

2/ ROJONE PART No. DESIGNATION AMA–1100–XX–1W–NHE
- 1W LOAD ON ISOLATED PORT
- CONNECTOR TYPE
- CONNECTOR CONFIGURATION
- COUPLING VALUE
- ENVIRONMENTAL

UNUSED PORTS MUST BE TERMINATED. COUPLER SUPPLIED WITH 1W LOAD ON ISOLATED PORT (HIGHER POWER LOADS AVAILABLE) ENVIRONMENTAL VERSIONS AVAILABLE. ALL CONNECTORS MUST BE MATED TO ACHIEVE ENVIRONMENTAL SEAL (PLATED BRASS HOUSING).

3/ COUPLERS ARE DESIGNED FOR LOW INTERMODULATION OPERATION

4/ ALL CONNECTORS ARE FEMALE N–TYPE WITH 12 TO 15 inlbs (1.30Nm – 1.70Nm) MATING TORQUE.

REVISION	DATE	CHECKED
A	14–02–2000	M. TOBIAS
B	08–11–01	Y. GU
C	08–11–01	for Lable

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TITLE 'H' PATTERN SERIES COUPLER INTERFACE DRAWING (N–TYPE)

DRWG No: 001001100003

MATERIAL	DRAWN	SCALE	SHEET
ALUMINIUM &/OR BRASS HOUSING & COVER	A. FABAL	1:1	1 OF 1
FINISH: POLYURETHANE AS2700 N42 STORM GREY	CHECKED M.TOBIAS	FILENAME 001001100003ISSC.DWG	A3
	APPROVED I.JANOSKA		

ALL SPECIFICATIONS SUBJECT TO CHANGE | UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES (mm) | TOLERANCE: LINEAR ±0.1 ANGULAR ±1° | REMOVE ALL BURRS AND SHARP EDGES