3rd ANGLE PROJECTION

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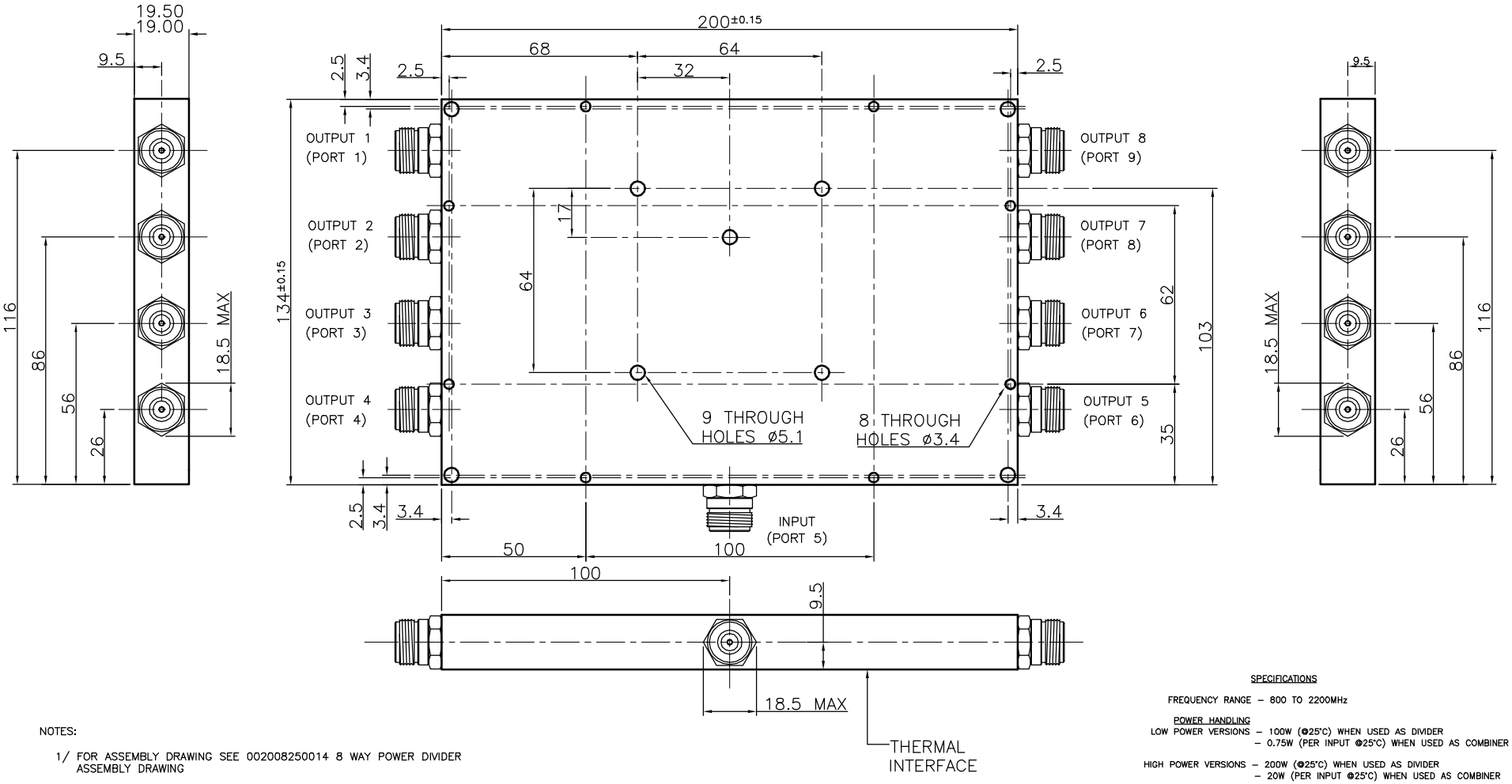
DO NOT SCALE



NOTES:

1/ FOR ASSEMBLY DRAWING SEE 002008250014 8 WAY POWER DIVIDER ASSEMBLY DRAWING

2/ OPERATING TEMPERATURE OF DIVIDER IS DEFINED AS TEMPERATURE AT THERMAL INTERFACE. WHEN BEING USED AS A COMBINER, HIGH POWER DIVIDER MUST BE HEATSUNK TO THERMAL INTERFACE ACCORDING TO POWER OF SIGNALS BEING COMBINED

3/ ROJONE PART No. DESIGNATION AMA–2251–8N–HP–E
(HP: HIGH POWER; E: ENVIRONMENTAL)

ENVIRONMENTAL VERSIONS AVAILABLE. ALL CONNECTORS MUST BE MATED TO ACHIEVE ENVIRONMENTAL SEAL (PLATED BRASS HOUSING).

4/ DIVIDERS ARE DESIGNED FOR LOW INTERMODULATION OPERATION

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

6/ FINISH: LOW POWER VERSIONS WITH POLYURETHANE AS2700 N42 STORM GREY
HIGH POWER VERSIONS PAINTED FLAT BLACK

SPECIFICATIONS

FREQUENCY RANGE – 800 TO 2200MHz

POWER HANDLING
LOW POWER VERSIONS – 100W (@25°C) WHEN USED AS DIVIDER
– 0.75W (PER INPUT @25°C) WHEN USED AS COMBINER

HIGH POWER VERSIONS – 200W (@25°C) WHEN USED AS DIVIDER
– 20W (PER INPUT @25°C) WHEN USED AS COMBINER

INSERTION LOSS – 10.5dB (typ) (INCLUDING DISSIPATIVE LOSS)
DISSIPATIVE LOSS – 1.5dB (typ)
ISOLATION – 20dB (typ)
RETURN LOSS – 20dB (typ)
AMPLITUDE BALANCE – 0.2dB (typ)
PHASE BALANCE – 5° (typ)
OPERATING TEMPERATURE – 0° TO +85° CELCIUS
STORAGE TEMPERATURE – 0° TO +95° CELCIUS

WEIGHT – 280 GRAMS (typ) ALUMINIUM HOUSING
– 530 GRAMS (typ) BRASS HOUSING

REVISION	DATE	CHECKED
A	14-10-99	M. TOBIAS
B	10-04-2000	M. TOBIAS
1	04-05-2000	M. TOBIAS
2	29-05-2003	LIVIA

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TITLE: 8 WAY POWER DIVIDER INTERFACE DRAWING (N TYPE)

DRWG No: 002008250012

MATERIAL	DRAWN	SCALE	SHEET
ALUMINIUM &/OR BRASS HOUSING & COVER	A. FABAL	1:1	1 OF 1
FINISH: SEE NOTES	CHECKED: M.TOBIAS	FILENAME: 002008250012ISS02.DWG	A2
	APPROVED: I.JANOSKA		

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