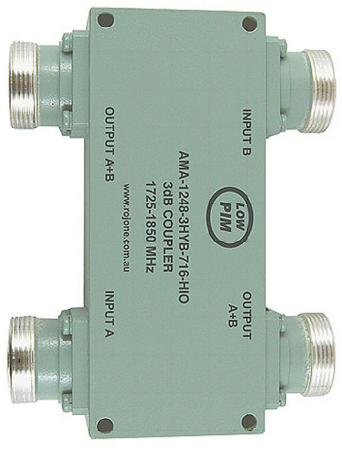
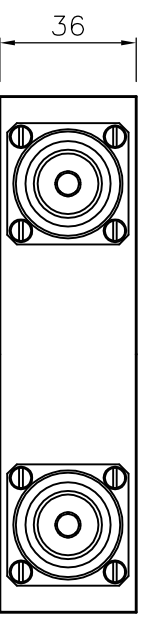
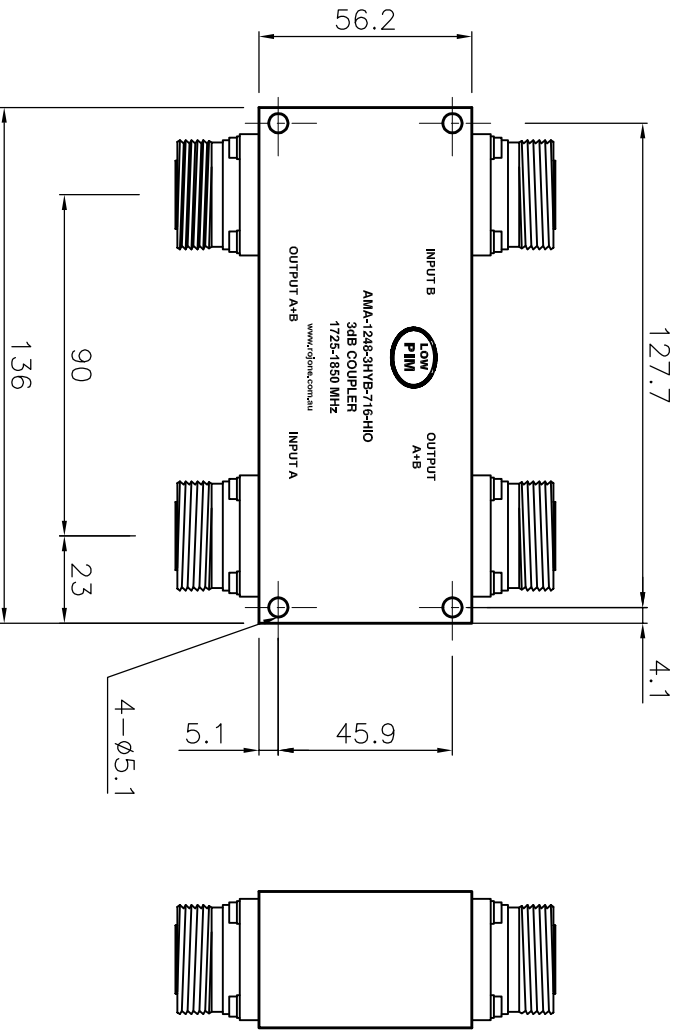


1	2	3	4	5	6	7	8	9	10	11	12	
ISS ZONE		DESCRIPTION/REVISION	3rd ANGLE PROJECTION		THIS DOCUMENT AND THE DESIGN SHOWN THEREON IS THE PROPERTY OF ROJONE PTY LTD AND MUST NOT BE SOLD, LENT, GIVEN AWAY, COPIED, REPRODUCED OR OTHERWISE DIVULGED TO ANY THIRD PARTY OR USED FOR MANUFACTURE, OR ANY OTHER PURPOSE WITHOUT DIRECT WRITTEN PERMISSION OF ROJONE PTY LTD.							DO NOT SCALE
b	Updated frequency											REVISION
c	Updated note											DATE
											CHECKED	



**SPECIFICATIONS**

**for AMA-1248-3HYB-716-HIO**

- FREQUENCY RANGE: 1725-1850 MHz
- COUPLER TYPE: 4 PORT DIRECTIONAL
- POWER HANDLING: 200W CW (@25°C) 500W Peak
- COUPLING VALUE: 3dB
- RETURN LOSS: < -30dB
- ISOLATION: 38-40 dB (TYP) (See Note 4)
- AMP BALANCE: < 0.5dB, 0.3(TYP)
- PIM: < -150dBc@43dBmx2  
-155dB (TYP)
- THROUGH LOSS: 3.5dB MAX 3.2dB (TYP)
- OP TEMP: -40° TO +65° CELCIUS
- IP RATING: IP 65
- RF CONNECTOR: DIN 716 - F
- HUMIDITY: < 99% NO CONDENSATION
- WEIGHT: 820g

**NOTES:**

- 1/ ROJONE PART NO. DESIGNATION AMA-1248-3HYB-716-HIO
- 2/ COUPLERS ARE DESIGNED FOR LOW INTERMODULATION OPERATION.
- 3/ PRODUCTS ARE RoHS COMPLIANT.
- 4/ Coupler must be terminated with RF Load AMA-5256 Series with a minimum Return Loss of <-35dB to achieve the high 38-40dB isolation.
- 5/ This coupler must be sold with & tuned to a AMA-5256 load only

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

		ROJONE PTY LTD ACN 002891241 44 AERO RD INGLEBURN 2565 SUDBURY, AUSTRALIA Ph: (012) 9829 1555 Fax: (612) 9605 9812 Web: www.rojone.com.au E-mail: sales@rojone.com.au		DRAWN: Y. GU CHECKED: H. JIA APPROVED: B. G.		TITLE: INTERFACE FOR 1725-1850MHz 3dB COUPLER AMA-1248-3HYB-716-HIO DRWG No: 001001450205	
MATERIAL: ALUMINIUM &/OR BRASS HOUSING & COVER FINISH: POLYURETHANE AS2700 M2 STORM GREY		SCALE: 1:1 SHEET: 1 OF 1		FILENAME: 001001450205ISSC.DWG		A2	