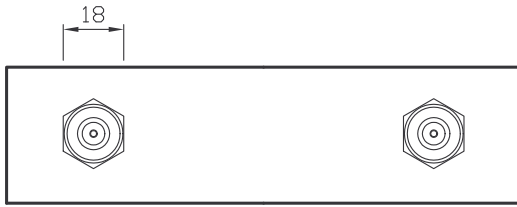


REVISIONS			
ISS	ZONE	DESCRIPTION/PER REQUEST	DATE
B		Modified note.	

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

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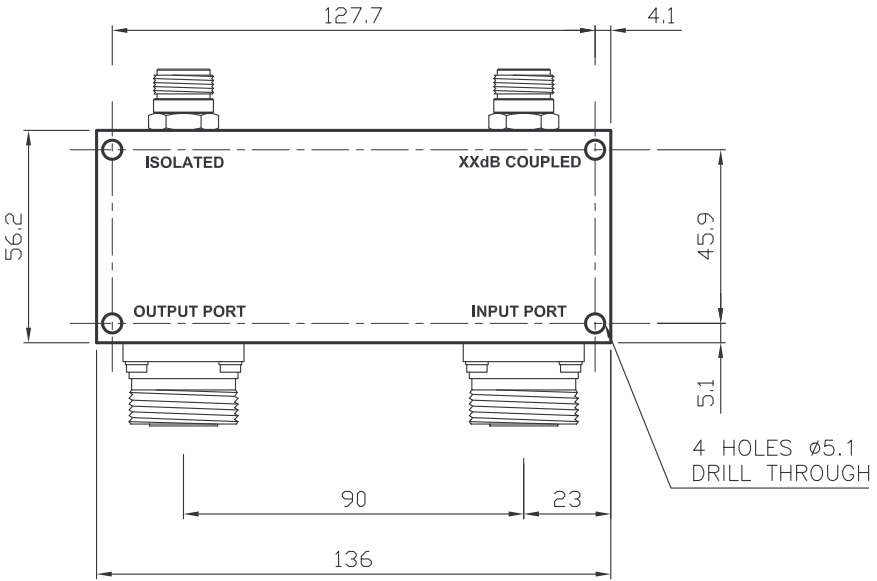
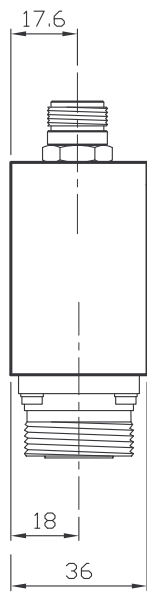


SPECIFICATIONS

FREQUENCY RANGE - 0.8-2.5GHz
 COUPLER TYPE - 4 PORT DIRECTIONAL
 POWER HANDLING - 200W PK/100W CW (@25°C)
 COUPLING VALUE - 3, 6, 10 OR 15 dB
 DIRECTIVITY - >18dB (20dB Typ)
 RETURN LOSS - <-18dB
 FREQ RESPONSE - ± 0.3dB (typ)

INSERTION LOSS (THRU LINE)
 3 - 3.5dBMAX 3.2(TYP)

INSERTION LOSS (COUPLED LINE) - COUPLING LOSS + DISSIPATIVE LOSS
 DISSIPATIVE LOSS - <0.3dB (typ)
 OPERATING TEMPERATURE - -40° TO +65° CELCIUS
 HUMIDITY - <95% NO CONDENSATION
 SIZE - 136 X 57 X 36 EXCL. CONNECTOR



4 HOLES Ø5.1 DRILL THROUGH



COUPLING VALUE	Isolated Port Termination	
	P _{INPUT} ≤ 50W	50W < P _{INPUT} < 100W
3 dB	2W @ RL>15dB	5W @ RL>15dB
6 dB	2W @ RL>15dB	5W @ RL>15dB
10 dB	2W @ RL>15dB	2W @ RL>15dB
15 dB	2W @ RL>15dB	2W @ RL>15dB

NOTES:

- ROJONE PART No. DESIGNATION AMA-1255-XX-716IO-NFISC
- UNUSED PORTS MUST BE TERMINATED WITH a 50 Ohm LOAD, APPROPRIATE TO THE POWER & COUPLING VALUES.
- COUPLERS ARE DESIGNED FOR LOW INTERMODULATION OPERATION
- CONNECTORS ARE STRAIGHT FEMALE RECEPTACLES WITH THREADED CONTACT R 185 405 230 AND N TYPE FEMALE FOR ISOLATED PORT.
- 2 Watt LOAD SUPPLY FOR STANDARD PRODUCT.
- ISOLATED PORT WHEN USED AS COUPLER REQUIRES 2 WATT LOAD, SUPPLIED AS STANDARD.
- ATTACHED PLS FIND 3 TEST REPORTS:
001001250141T1, 001001250141T2, 001001250141T3

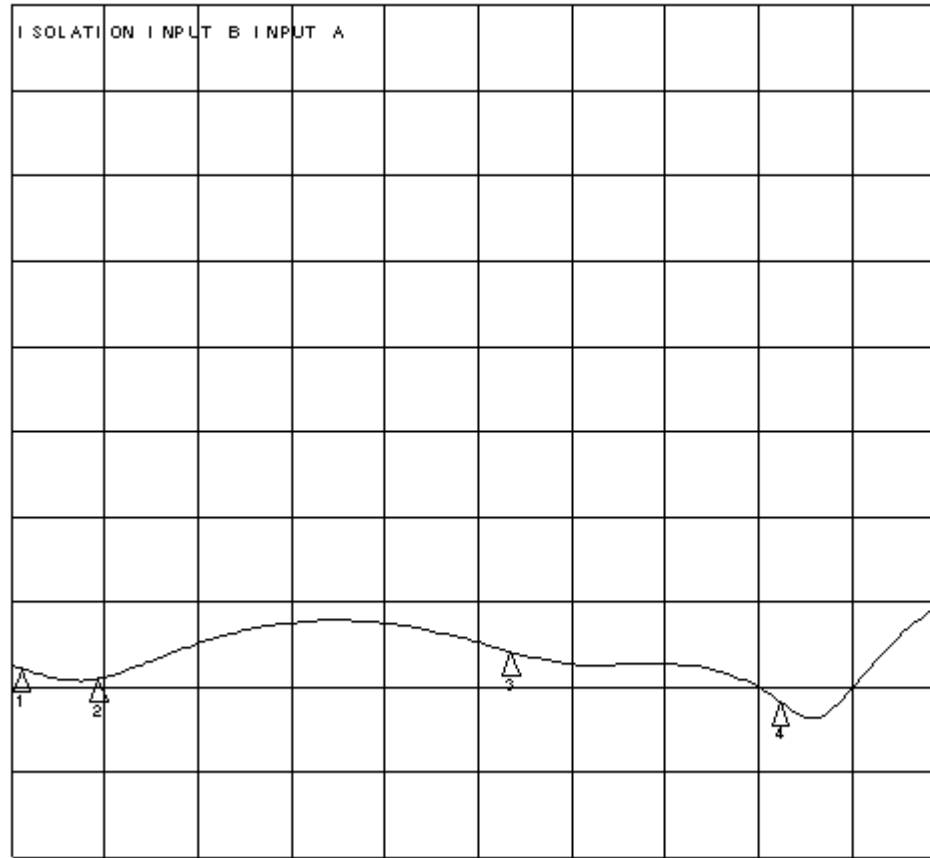
UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES (mm) TOLERANCE: LINEAR ±0.1 ANGULAR ±1° REMOVE ALL BURRS AND SHARP EDGES

	ROJONE PTY LTD ACN 002691241 61 AERO RD INGLEBURN 2565 SYDNEY, AUSTRALIA Ph: (612) 9829 1555 Fax: (612) 9605 8812 Web: www.rojone.com.au E-mail: sales@rojone.com.au	TITLE INTERFACE OF 0.8-2.5GHz COUPLER AMA-1255-XX-716IO-NFISC	
	MATERIAL ALUMINIUM &/OR BRASS HOUSING & COVER FINISH POLYURETHANE AS2700 N42 STORM GREY	DRAWN Y. GU CHECKED H. JIA APPROVED B. G.	DRWG No: 001001250141

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4 Aug 2005 10:10:20

CH2 S21 LOG 10 dB/ REF 0 dB 5: -20.153 dB 2 500.000 000 MHz



CH2 Markers

1: -27.828 dB
820.000 MHz

2: -28.951 dB
960.000 MHz

3: -25.931 dB
1.11000 GHz

4: -31.732 dB
2.20000 GHz

Note:

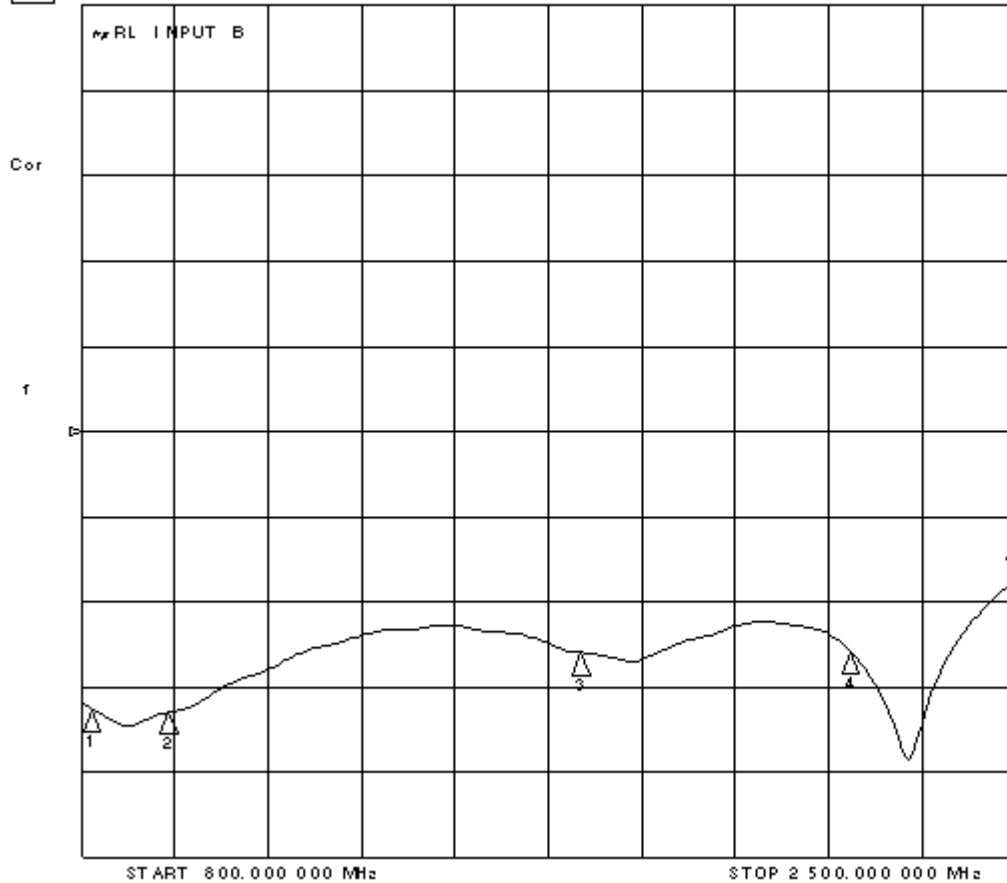
1/ Drawing No:
001001250141T2

2/ Attached to
interface drawing
001001250141

3/ For Rojone P/N:
AMA-1255-XX-
716IO-NFISC

4 Aug 2005 10:09:26

CH1 S11 LOG 10 dB/ REF 0 dB 5: -17.483 dB 2 500.000 000 MHz



CH1 Markers

1: -32.502 dB
820.000 MHz

2: -32.862 dB
960.000 MHz

3: -25.922 dB
1.71000 GHz

4: -25.788 dB
2.20000 GHz

Note:

1/ Drawing No:
001001250141T3

2/ Attached to
interface drawing
001001250141

3/ For Rojone P/N:
AMA-1255-xx-716IO-
NFISC