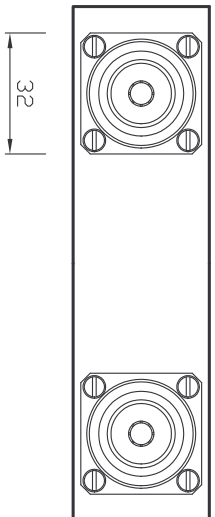
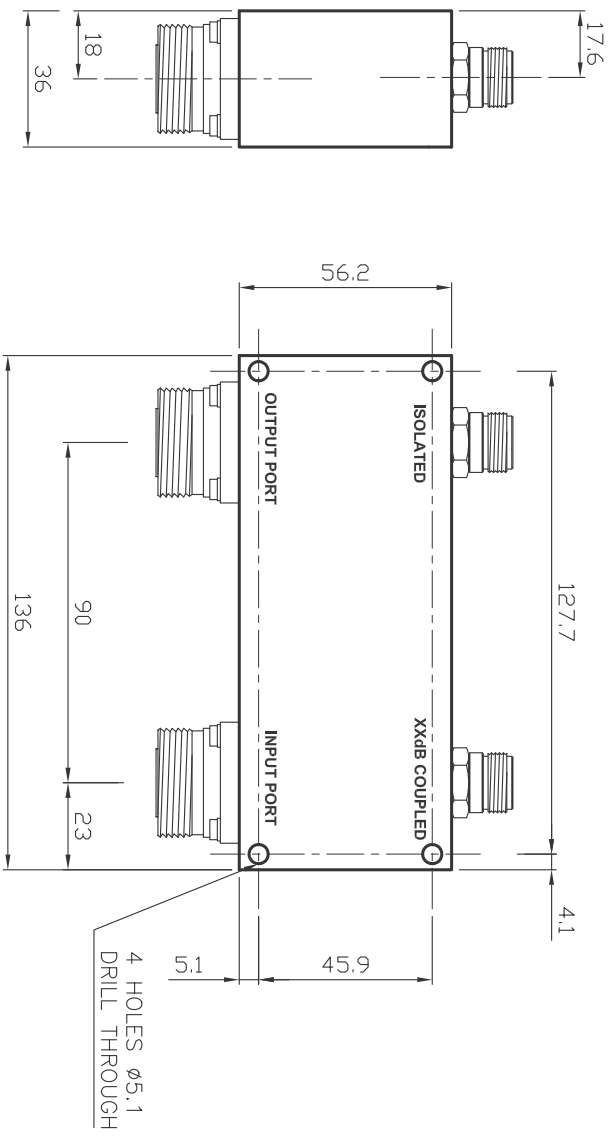
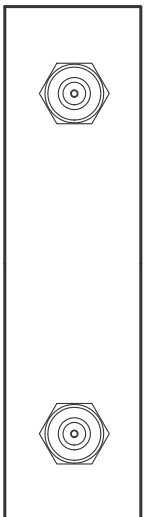


1	2	3	4	5	6	7	8	9	10	11	12	
REVISONS		3rd ANGLE PROJECTION		THIS DOCUMENT AND THE DESIGN SHOWN THEREON IS THE PROPERTY OF ROLONE PTY LTD AND MUST NOT BE SOLD, LENT, GIVEN AWAY, COPIED, REPRODUCED OR OTHERWISE ENVIAGED TO ANY THIRD PARTY OR USED FOR MANUFACTURE.								DO NOT SCALE
DESCRIPTION PER REQUEST/DATE												
Modified note.												



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

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:

- 1/ ROLONE PART No. DESIGNATION AMA-1255-XX-71610-NFISC
 UNUSED PORTS MUST BE TERMINATED WITH a 50 Ohm LOAD, APPROPRIATE TO THE POWER & COUPLING VALUES.
- 2/ COUPLERS ARE DESIGNED FOR LOW INTERMODULATION OPERATION
- 3/ CONNECTORS ARE STRAIGHT FEMALE RECEPTACLES WITH THREADED CONTACT R 185 405 230 AND N TYPE FEMALE FOR ISOLATED PORT.
- 4/ 2 Watt LOAD SUPPLY FOR STANDARD PRODUCT.
- 5/ ISOLATED PORT WHEN USED AS COUPLER REQUIRES 2 WATT LOAD, SUPPLIED AS STANDARD.
- 6/ ATTACHED PLS FIND 3 TEST REPORTS:
 001001250141T1, 001001250141T2, 001001250141T3



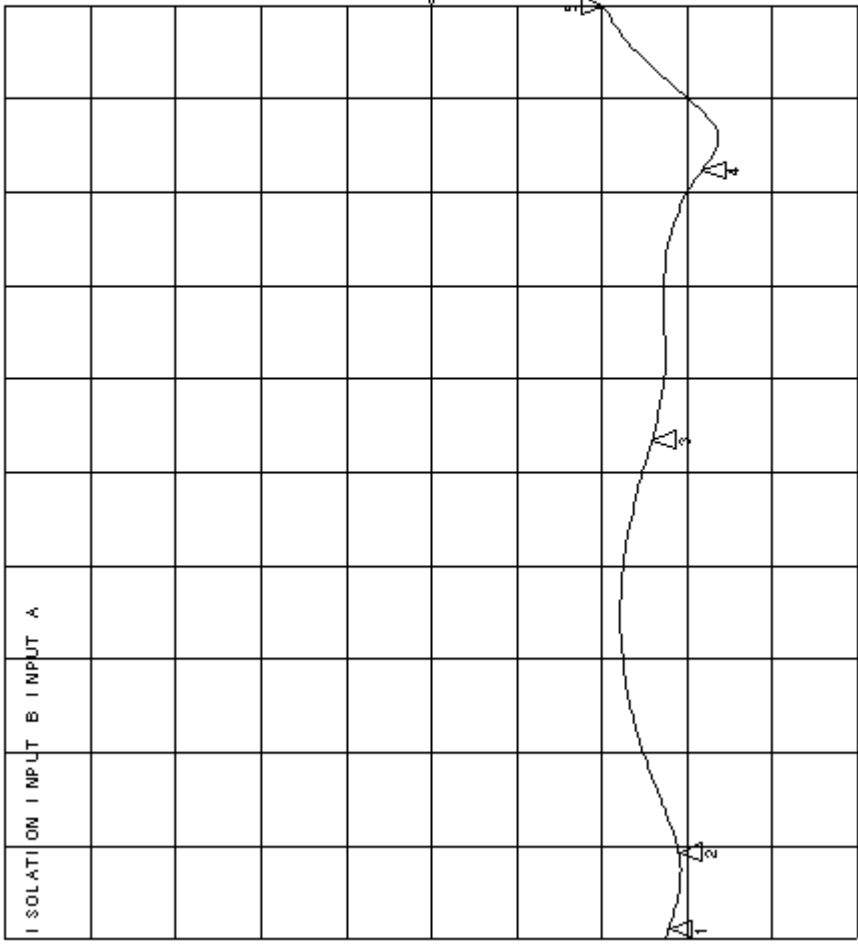
ROLONE PTY LTD ACN 002691241
 61 AERO RD INGLEBURN 2666
 STONE MOUNTAIN
 Ph: (612) 9829 1555 Fax: (612) 9605 8812
 Web: www.rolone.com.au E-mail: sales@rolone.com.au

TITLE
 INTERFACE OF 0.8-2.5GHz COUPLER
 AMA-1255-XX-71610-NFISC

MATERIAL	ALUMINIUM &/OR BRASS HOUSING & COVER	DRAWN	Y. GU	SCALE	1:1	SHEET	1 OF 4
FINISH	POLYURETHANE AS2700 INZ STORM GREY	CHECKED	H. JIA	FILENAME	001001250141SSA.DWG	A2	

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

CH2 \$21 LOG 1.0 dB/ REF 0 dB 4 Aug 2005 10:10:20
 5:-20.153 dB 2500.000 000 MHz



CH2 Markers
 1:-27.828 dB
 820.000 MHz
 2:-28.951 dB
 960.000 MHz
 3:-25.931 dB
 1.71000 GHz
 4:-31.732 dB
 2.20000 GHz

Note:
 1/ Drawing No:
 001001250141T2
 2/ Attached to
 interface drawing
 001001250141
 3/ For Rojone PIN:
 AMA-1255-XX-
 716IO-NFISC

START 800.000 000 MHz STOP 2500.000 000 MHz

Cor

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