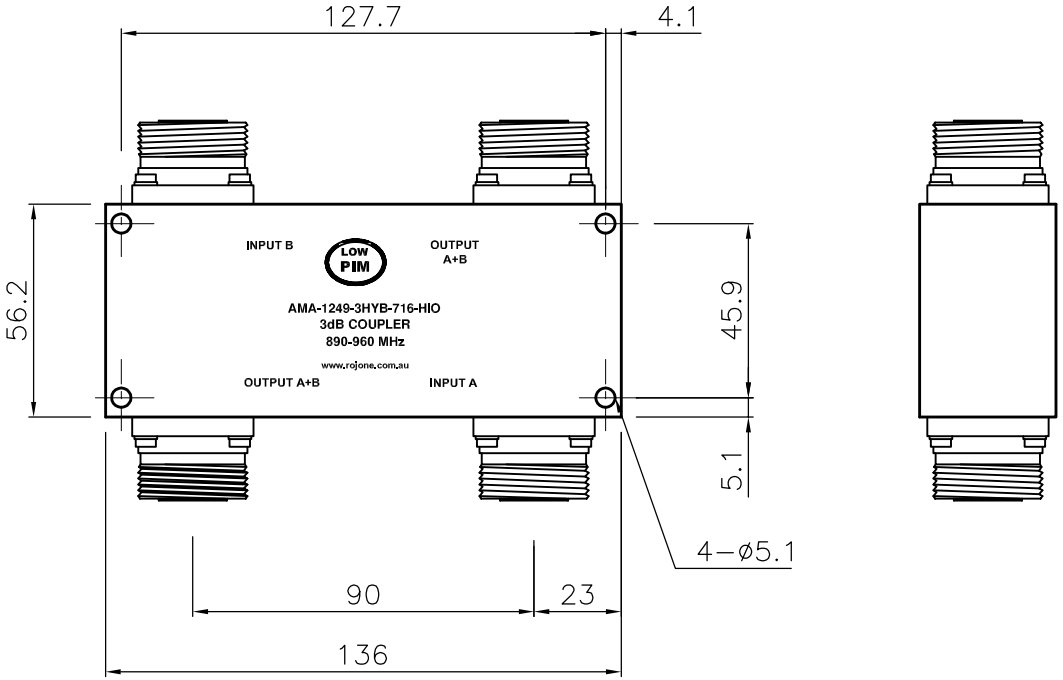
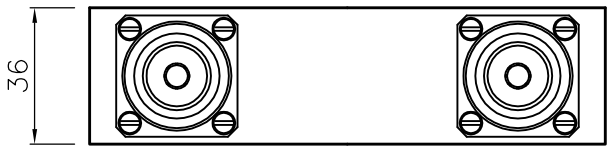
REVISIONS		
ISS	ZONE	DESCRIPTION\PER REQUEST
b		Add note for cable load and upated spec
c		Add note for cable load and upated spec. Issb absolete n superseded by Issc

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





SPECIFICATIONS
for AMA-1249-3HYB-716-HIO

FREQUENCY RANGE:	890-960 MHz
COUPLER TYPE:	4 PORT DIRECTIONAL
POWER HANDLING:	200W CW (@25°C) 500W Peak
COUPLING VALUE:	3dB
RETURN LOSS:	< -30 dB
ISOLATION:	38-40 dB (TYP) (See Note 4)
AMP BALANCE:	< 0.5dB, 0.3(TYP)
PIM:	< -150dBc@43dBmx2 -155 TO 165 dBc (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-1249-3HYB-716-HIO

2/ COUPLERS ARE DESIGNED FOR L0W 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

REVISION	DATE	CHECKED
A	2012−03−20	H. JIA
B	2012−10−02	H. JIA
C	20160428	L. B.

ROJONE

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TITLE: INTERFACE FOR 890−960MHz 3dB COUPLER AMA−1249−3HYB−716−HIO

DRWG No: 001001450204

MATERIAL	ALUMINIUM &/OR BRASS HOUSING & COVER	DRAWN	Y. GU
FINISH	POLYURETHANE AS2700 N42 STORM GREY	CHECKED	H. JIA
		Requested	B. G.

SCALE 1:1 SHEET 1 OF 1 A2

FILENAME 001001450204ISSC.DWG

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