

ROJ-LD-211-01L 5W DIN-M Termination

ROJ-LD211-01L is specially designed for Rojone's AMA-1255-XX series high performance, low IM RF Directional Couplers. This unique termination features high power handling with better than -20dB return loss from 0-4GHz or 0-6GHz.

The Typical IM performance for AMA-1255-XX series products terminated with ROJ-LD211-01L is better than -160dBc. The IM test result on 6dB coupler, AMA-1255-6-716 shows that the IM level is better than -171dBc @ 43dBm x 2.



ROJ-LD-211-01L also can be used as a Termination for multi-channel combiners on the isolation port.

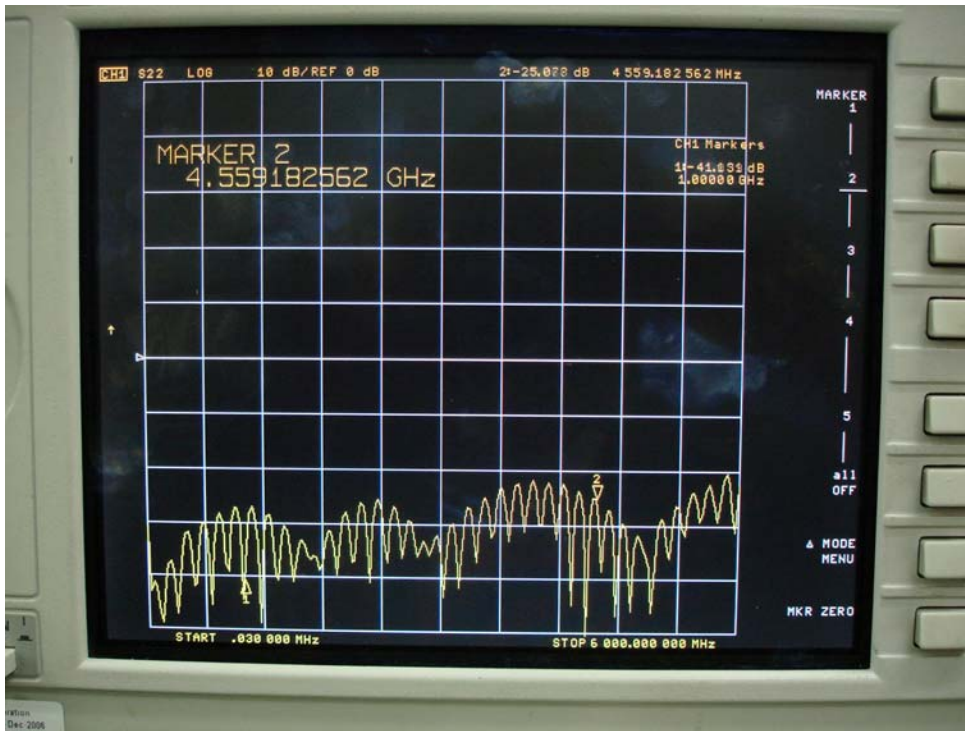
The IM performance of the combiner system should be better than -155dBc, If ROJ-LD211-01L is used for 3dB couplers

SPECIFICATION

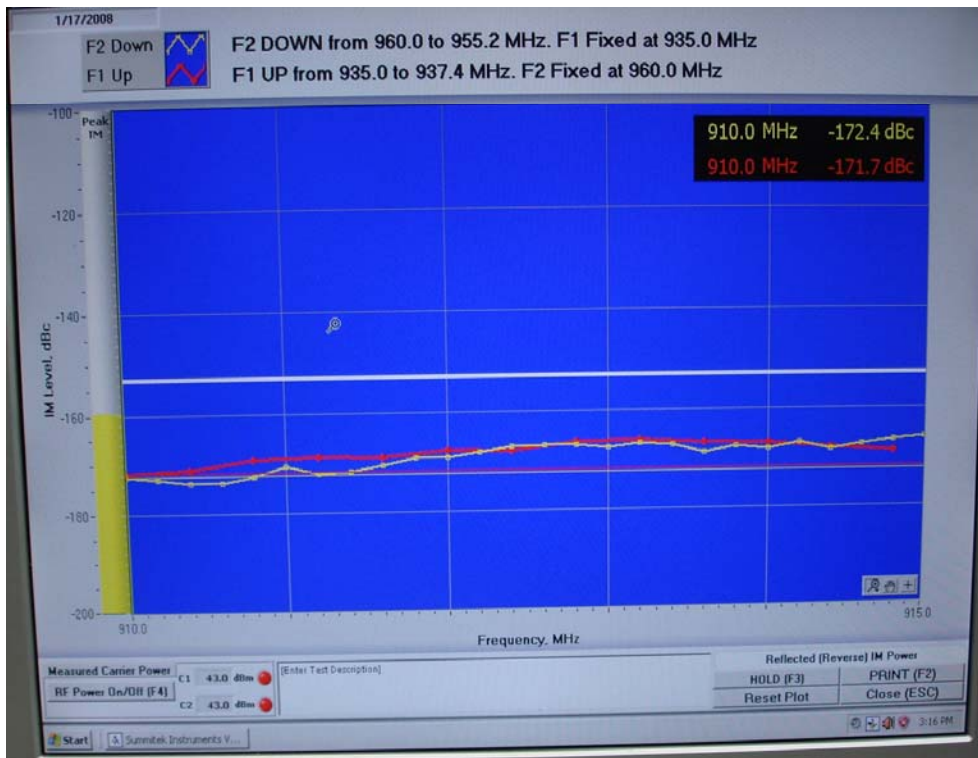
RF POWER HANDLING	5W	CW
	200W	10us
OP. FREQ.	0 – 4GHz	
	0 – 6GHz	
RETURN LOSS	<-20dB	
OP. TEMP.	-30 to +50C	
HUMIDITY	100%	
RF CONNECTOR	DIN-716M	
IM3	<-160dBc @43dBm x 2 *	
WEIGHT	85g	

* Please refer to ROJONE'S DW 1000001001027 for IM test set up.

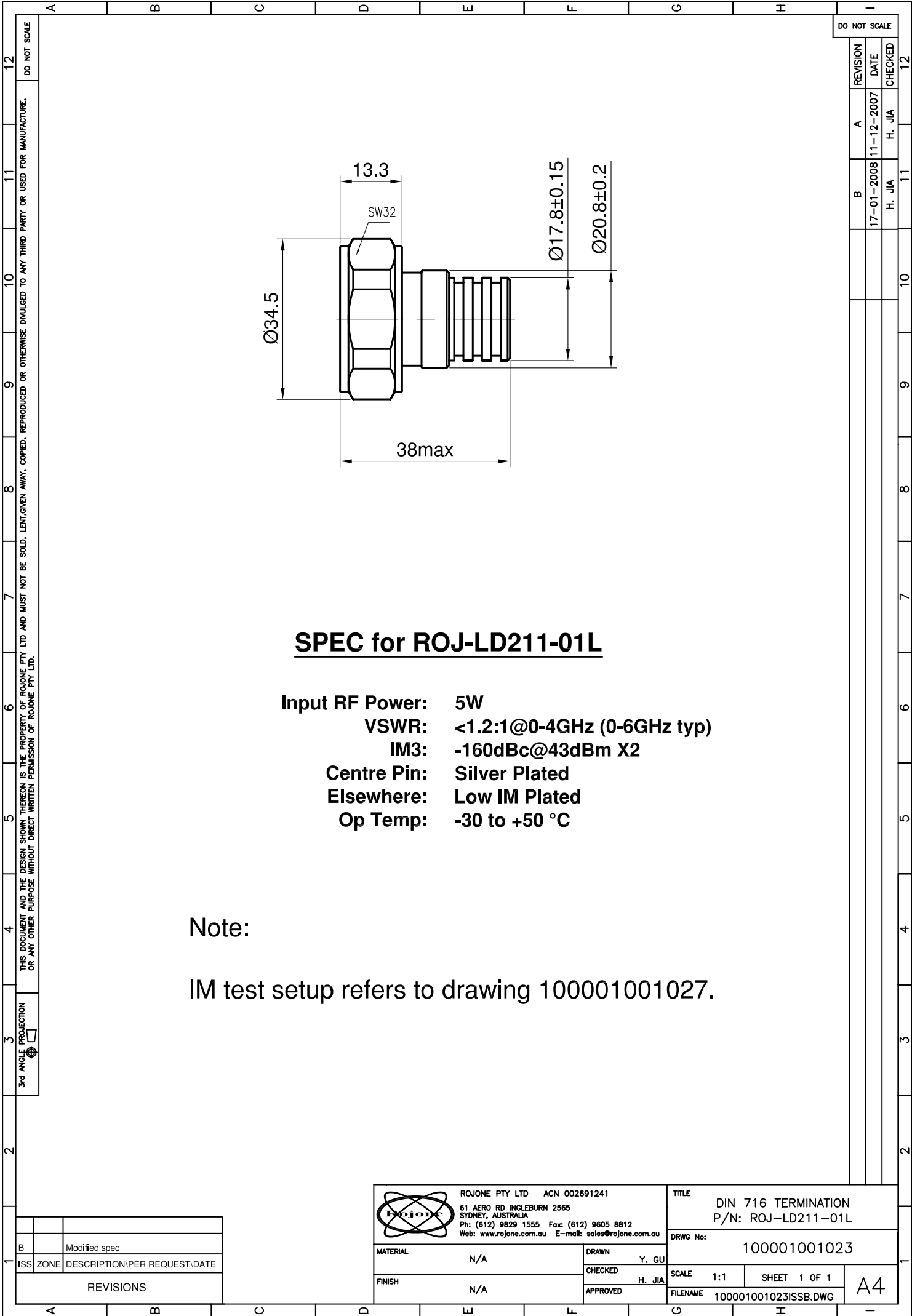
Test Results



Typical Return Loss of ROJ-LD211-01L from 0 – 6GHz



IM TESTED ON AMA-1255-6-716
IM3 < -170dBc



SPEC for ROJ-LD211-01L

Input RF Power: 5W
 VSWR: <1.2:1@0-4GHz (0-6GHz typ)
 IM3: -160dBc@43dBm X2
 Centre Pin: Silver Plated
 Elsewhere: Low IM Plated
 Op Temp: -30 to +50 °C

Note:

IM test setup refers to drawing 100001001027.

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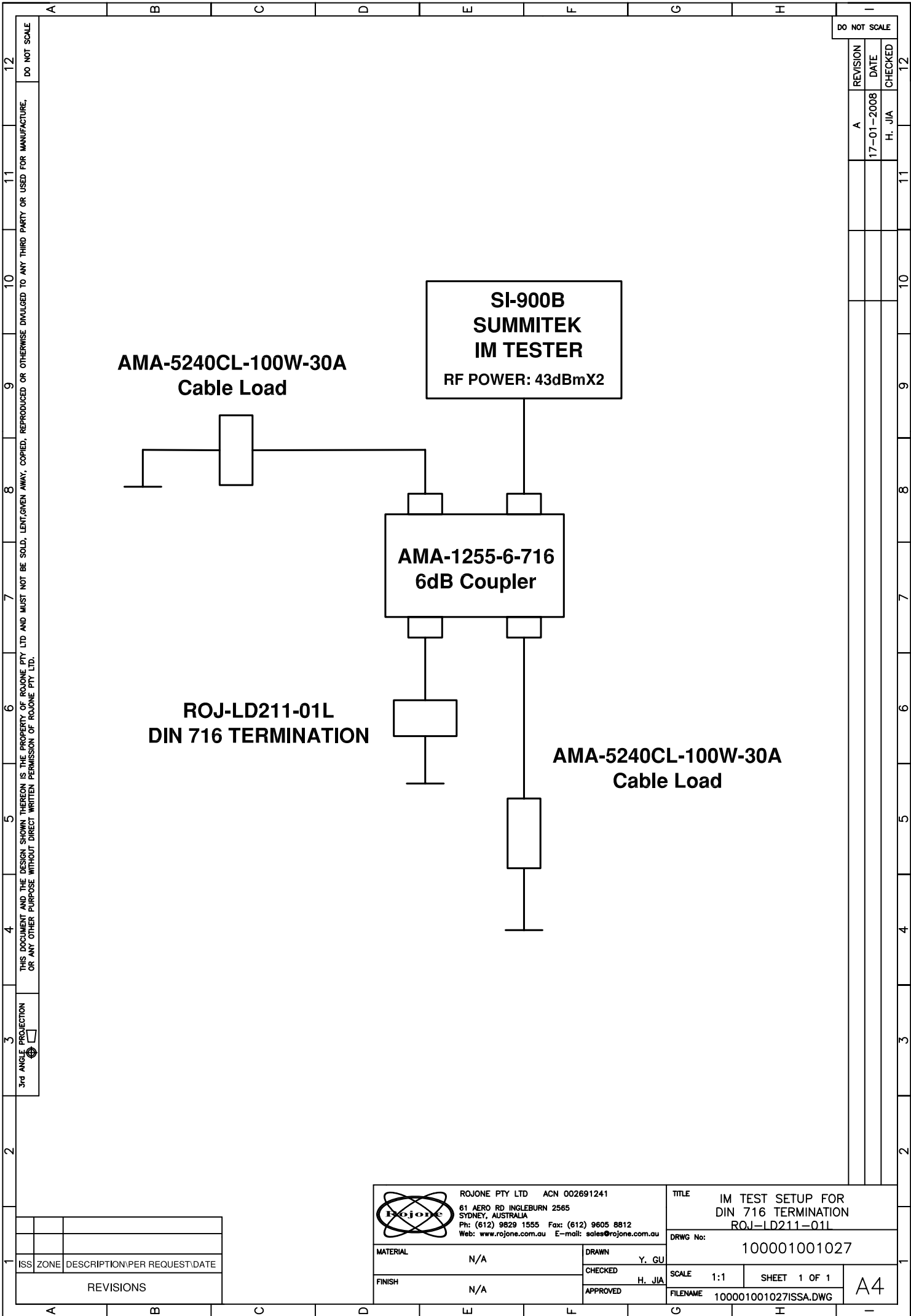
DO NOT SCALE	
REVISION	A
DATE	11-12-2007
CHECKED	H. JIA

ISS	ZONE	DESCRIPTION\PER REQUEST\DATE
B		Modified spec
REVISIONS		

		ROJONE PTY LTD ACN 002691241 61 AERO RD INGLEBURN 2565 SYDNEY, AUSTRALIA Ph: (612) 9829 1555 Fax: (612) 9605 8812 Web: www.rozone.com.au E-mail: sales@rozone.com.au	
MATERIAL	N/A	DRAWN	Y. GU
FINISH	N/A	CHECKED	H. JIA
		APPROVED	

TITLE DIN 716 TERMINATION P/N: ROJ-LD211-01L	
DRWG No: 100001001023	
SCALE 1:1	SHEET 1 OF 1
FILENAME 100001001023ISSB.DWG	

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DO NOT SCALE		
REVISION	DATE	CHECKED
A	17-01-2008	H. JIA

3rd ANGLE PROJECTION

ISS	ZONE	DESCRIPTION\PER REQUEST\DATE
REVISIONS		

	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	
	MATERIAL	N/A
	FINISH	N/A

TITLE IM TEST SETUP FOR DIN 716 TERMINATION ROJ-LD211-011	
DRWG No: 100001001027	
SCALE 1:1	SHEET 1 OF 1
FILENAME 100001001027ISSA.DWG	

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