

Utfärdare/Issued by Kjell Knuutinen	Datum/Date 2003-06-16	Godkänd/Approved	Dok nr/Doc no ALT1200/002-201	Rev B	Sida/Page
Dok namn/Doc name <b>PRODUCT SPECIFICATION</b>			Fil/file ALT1200-002_B.doc		

## In-Train repeater with adjustable bandwidth 900 MHz version, 25 MHz BW Product Number: ALT1200/002

### 1. Electrical specification (typical values)

The repeater complies with following standards:

- Radio Transmission and Reception ETS 300 609-4
- EMC for GSM and DCS repeaters ETS301 489-1
- EMC for railway applications-apparatus EN50121-3-2

Frequency tuning band Up link	890 – 915	MHz
Frequency tuning band Down link	935 – 960	MHz
Filter bandwidth standard, adjustable	0.5 – 25	MHz
Filter setting resolution	25	kHz
Duplex spacing	45	MHz
Gain adjustment range	55-70	dB
Gain (max variation –25 to +55 °C)	5	dB
Gain step resolution	1	dB
Gain trail dynamic range	25	dB
DL/UL gain trail tracking accuracy	2	dB
Filter selectivity @ 400 kHz offset	> 20	dB
Filter selectivity @ 600 kHz offset	> 30	dB
Filter selectivity @ 1 MHz offset	> 35	dB
Output power, PEP	+ 25	dBm
Output power, 2 carrier	+ 19	dBm
Pass band ripple	5	dB
Max absolute group delay	6	µs
Noise figure at 70 dB gain, 25° C	8	dB
Maximum input power	+13	dBm
Receiver input port return loss	14	dB
Power supply voltage	85 - 265	VAC
Power consumption	55	W

# ALLGON SYSTEM AB



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## 2. Environmental specification

Temperature range	-13 to + 131	°F
	-25 to + 55	°C
Casing class	NEMA4/IP65	

## 3. Mechanical specification

Dimensions. (W x H x D)	15.2 x 15.2 x 4.3	Inches
	385 x 385 x 110	mm
Mechanical outline	<a href="#">See Compact Low</a>	
Weight	< 22	lbs
	< 10	kg
RF-connectors	N-type female	
Lock type	Allgon Safety bolts	