

Uppgjord (även faktaansvarig om annan)- Prepared (also subject responsible if other)		Nr - No	
SG/ERA/LRN/ZG ERAABE		1301-KRE 101 1756 Uen	
Dokansv/Godk - Doc resons/Approved	Kontr - Checked	Datum - Date	Rev
ERA/LRN/ZGC (Leif-Olof Fager)		2000-03-28	C

ANTENNA



1 GENERAL

1.1 DESCRIPTION

1700-1800 MHz panel antenna for base stations. Two independent systems for +45° and -45° polarization. Array of dipole elements covered with a fibre glass radome.

2 CHARACTERISTIC VALUES

2.1 ELECTRICAL DATA

Frequency range:	1710-1880 MHz
Power:	200 W
VSWR:	<1.5
Gain:	2 x 15.5 dBi (2 x 13.5 dBd)
+45° polarization beamwidth:	horizontal = 65°, vertical = 13°
-45° polarization beamwidth:	horizontal = 65°, vertical = 13°
Polarization:	+45°, -45°
Lightning protection:	direct ground

Other electrical data according to basic specification
2/1029-COA 109 121 Uen.

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2.2 MECHANICAL DATA

Rated wind velocity: 55 m/s
 Wind load at 42 m/s: 150 N
 Wind load area: 0.1 m²
 Connector type: 2 x 7/16
 Mounting hardware: clamps for 55-75 mm tube incl.
 Radome material: fibre glass
 Colour: grey

2.3 DIMENSIONS

Height: 662 mm
 Width: 155 mm
 Depth: 49 mm
 Weight: 3.5 kg

3 ENVIRONMENTAL ENDURANCE

According to 2/1029-COA 109 121 Uen.

4 INTERNAL INFORMATION

Supplier: Kathrein, Germany

5 PRODUCT LIST

Product no	Supplier code	
KRE 101 1756/1	*)	

*) consisting of:
 antenna: 739 490
 tilt bracket: 732 321
 clamp set: 734 361 for 60-80 mm tube