

034 dab

Omnidirectional collinear Antenna

170-230 MHz

Type	034A DAB	034B DAB
Frequency [MHz]	170÷200	200÷230
Impedance	50 Ω	
V.S.W.R.	< 1.30	
Gain	0 dBd	
HPBW		
E-plane	± 30°	
H-plane	± 180°	
Front to back	-	
Polarization	Vertical	
Input connector	7/8" EIA flange	
Max power	1 kW	
Survival wind velocity	200 km/h	
Wind load at 160 km/h	470 N	316 N
Dimensions [cm]	180x10x14	160x10x14
Packing type	Wooden box	
dimensions [cm]	180x20x20	170x20x20
Net weight [kg]	11	9
Gross weight [kg]	26	24



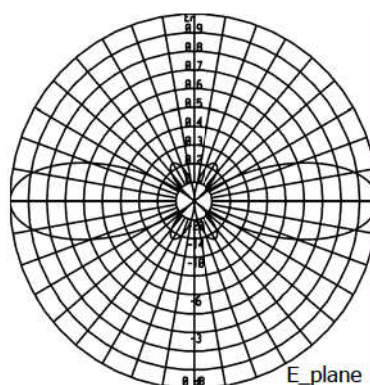
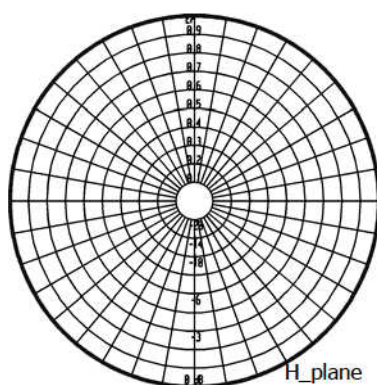
The standard version of this omnidirectional antenna is made of hot galvanised steel; also available a stainless steel version on request.

All metallic parts are connected to ground.

Input connector is nickel plated while the internal lines are made of silver plated brass.

The antenna is supplied with pipe mount for pole with Ømax. 89 mm.

RADIATION PATTERN



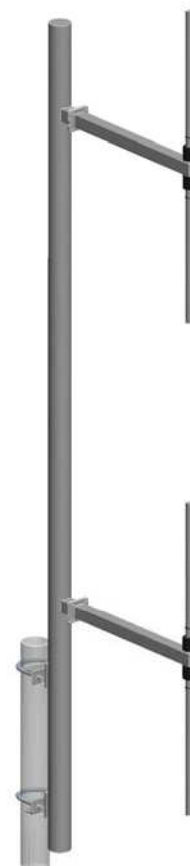
032MT dab

Two stacked Dipoles
with Reflector

216-240 MHz

Type	032MT dab
Frequency	216÷240 MHz
Impedance	50 Ω
V.S.W.R.	< 1.2
Gain	5.5 dBd
HPBW	
E-plane	±18°
H-plane	±120°
Front to back	< 6 dB
Polarization	Vertical
Input connector	7/8" EIA flange
Max power	1 kW
Survival wind velocity	200 km/h
Wind load at 160 km/h	410 N
Dimensions	210x50x27 cm
Packing type	wooden crate
dimensions	215x55x30 cm
Net weight	12 kg
Gross weight	30 kg

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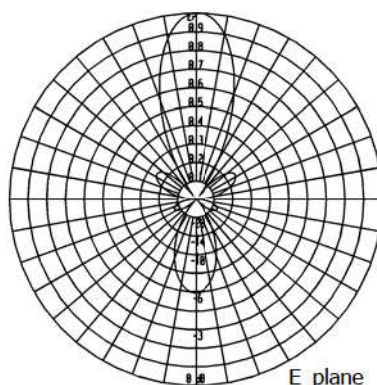
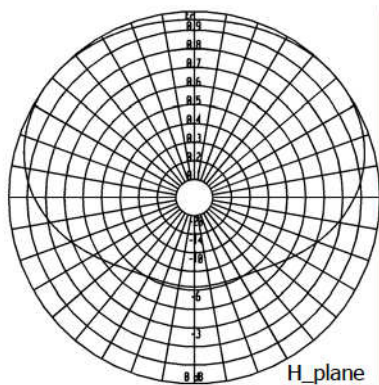
The standard version of this waterproof antenna is realised with hot galvanised steel; also available a stainless steel version on request.

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Input connector is nickel plated while the internal lines are made of silver plated brass.

The antenna is supplied with pipe mount for pole with Ø max. 89 mm.

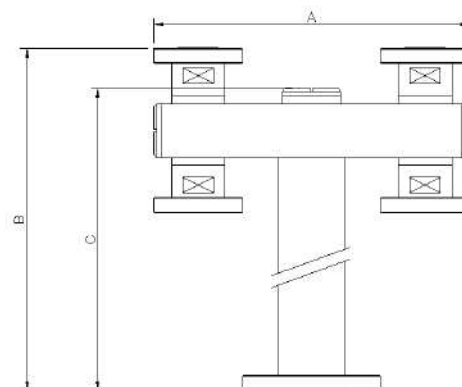
RADIATION PATTERN



Power Dividers DAB

MAIN CHARACTERISTICS

Band	216÷241 MHz
Impedance	50 Ω
V.S.W.R.	≤ 1.15
Insertion Loss	≤ 0.2 dB
Internal lines material	Brass or aluminium
Pressurizable	yes
Insulators	PTFE
Gaskets	Silicone Rubber
Operating temperature	-40°/+55°C



In-phase outputs.

Input connectors: 7/8", 1+5/8", 3+1/8" EIA flanges. Standard option with rotating input flanges and fixed output flanges.

Inners are not included (to be ordered separately).

The following tables show some examples of standard production of balanced power dividers: for customized configurations please contact us.

Unbalance power dividers available on request.

BALANCED POWER DIVIDERS

Type	input	output	# of ways	Input Power
0302A	7/8"	7/8"	2	4
0303A	7/8"	7/8"	3	4
0304A	7/8"	7/8"	4	4
0305A	7/8"	7/8"	5	4
0306A	7/8"	7/8"	6	4
0308A	7/8"	7/8"	8	4
0302A H1	1+5/8"	7/8"	2	10
0303A H1	1+5/8"	7/8"	3	10
0304A H1	1+5/8"	7/8"	4	10
0305A H1	1+5/8"	7/8"	5	10
0306A H1	1+5/8"	7/8"	6	10
0308A H1	1+5/8"	7/8"	8	10
0302A H2	3+1/8"	1+5/8"	2	40
0303A H2	3+1/8"	1+5/8"	3	40
0304A H2	3+1/8"	1+5/8"	4	40
0305A H2	3+1/8"	1+5/8"	5	40
0306A H2	3+1/8"	1+5/8"	6	40
0308A H2	3+1/8"	1+5/8"	8	40

UNBALANCED POWER DIVIDERS

Type	input	Output ratio	# of ways	Input Power
069FE3/03	7/8" EIA	0, -3	2	5
069FE3/06	7/8" EIA	0, -6	2	5
069FE3/09	7/8" EIA	0, -9	2	5
069FE3/003	7/8" EIA	0,0,-3	3	5
069FE3/06	7/8" EIA	0,0,-6	3	5
069FE3/009	7/8" EIA	0, 0,-9	3	5
069FE3/033	7/8" EIA	0,-3,-3	3	5
069FE3/066	7/8" EIA	0,-6,-6	3	5
069FE3/099	7/8" EIA	0,-9,-9	3	5
069FE3/0033	7/8" EIA	0,0,-3,-3	4	5
069FE3/0066	7/8" EIA	0,0,-6,-6	4	5
069FE3/0099	7/8" EIA	0,0,-9,-9	4	5

BAND IV&V

Page

PANEL ANTENNAS **53**

Type	Description	Frequency band MHz	Gain dBd	Pmax kW	Polarization	
087B	90° two dipoles panel	470÷860	8	1.5	horizontal	53
BAN4000	90° four dipoles panel	470÷860	11.45	2.5	horizontal	54
BAN4100	120° four dipoles panel - Band IV ⁺	470÷710	10	3.3	horizontal	55
BAN4200	120° four dipoles panel - Band V	606÷860	10	2	horizontal	56
0109BV	four dipoles panel	470÷860	10.8	1.5	vertical	57

BALANCED POWER DIVIDERS **58****UNBALANCED POWER DIVIDERS** **58****SYSTEMS** **60**

Type	Polarization	Channel	Pmax kW	
Systems wit BAN4000 panels	Horizontal	CH21-CH69	40	60
Systems wit BAN4100 panels	Horizontal	CH21-CH50	40	61
Systems wit BAN4200 panels	Horizontal	CH38-CH69	40	62

034 034R

Omnidirectional
collinear Antenna

156-174 MHz

Type	034	034R
Frequency [MHz]	156÷174 MHz	
Impedance	50 Ω	
V.S.W.R.	<1.50	
Gain [dBi]	3	5
HPBW		
E-plane	±18°	±18°
Front to back	0 dB	
Polarization	Vertical	
Input connector	N female	
Max power	500 W	
Survival wind velocity	180 km/h	
Wind load at 160 km/h	280 N	380 N
Dimensions [cm]	190x10x14	190x56x10
Packing type	Wooden crate	
Dimensions [cm]	200x20x20	200x40x25
Net weight [kg]	12	16
Gross weight [kg]	27	31



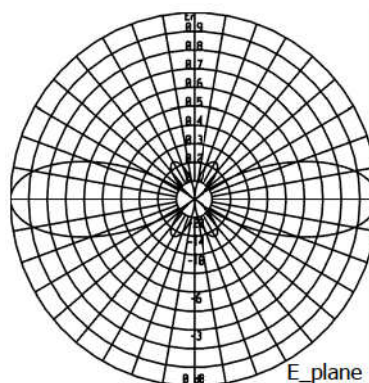
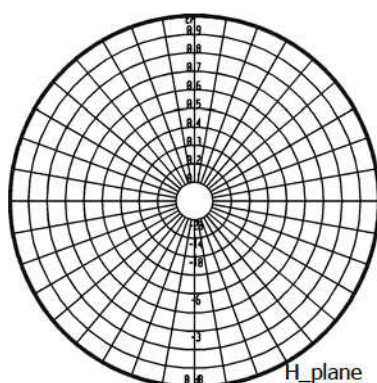
The standard version of this waterproof antenna is realised with hot galvanised steel; also available a stainless steel version on request.

All metallic parts are connected to ground.

Input connector is nickel plated while the internal lines are made of silver plated brass.

The antenna is supplied with pipe mount for pole with Ø maximum 89 mm.

RADIATION PATTERN



032MT

Two stacked Dipoles
with Reflector

156-174 MHz

Type	032MT
Frequency	156÷174 MHz
Impedance	50 Ω
V.S.W.R.	< 1.2
Gain	7 dBi
HPBW	
E-plane	±18°
H-plane	±120°
Front to back	< 6 dB
Polarization	Vertical
Input connector	N female
Max power	500 W
Survival wind velocity	180 km/h
Wind load at 160 km/h	250 N
Dimensions	255x70x27 cm
Packing type	wooden crate
dimensions	270x80x37 cm
Net weight	35 kg
Gross weight	90 kg

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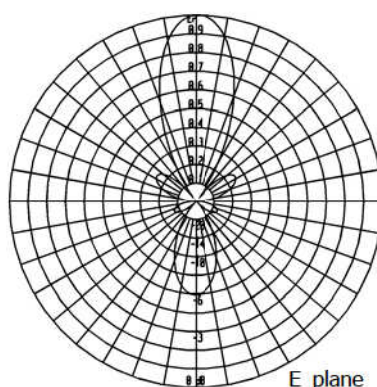
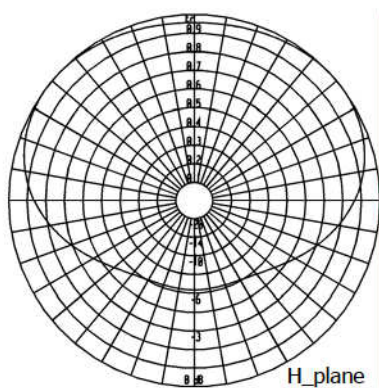
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All metallic parts are connected to ground.

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The antenna is supplied with pipe mount for pole with Ø maximum 89 mm.

RADIATION PATTERN



0155 0155R

400-470 MHz

Type	0155	0155R
Frequency [MHz]	400÷435 435÷470	
Impedance	50 Ω	
V.S.W.R.	<1.35	
Gain [dBi]	4.5	6.5
HPBW	±12.5	
E-plane	±180	
H-plane	±120	
Front to back	-	≥ 6 dB
Polarization	Vertical	
Input connector	N female	
Max power	300 W	
Survival wind velocity	150 km/h	
Wind load at 150 km/h	70 N	80 N
Dimensions [cm]	120x10x10	120x10x24
Packing type	cardboard box	
dimensions	130x12x12	130x12x12
Net weight [kg]	3	3.5
Gross weight [kg]	4	4.5



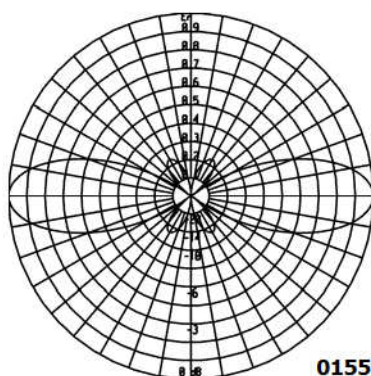
This waterproof antenna is guaranteed to work under most severe environmental conditions. A fiber glass radome provides protection against rain, snow and ice.

Dipoles and internal lines are made of passivated brass.

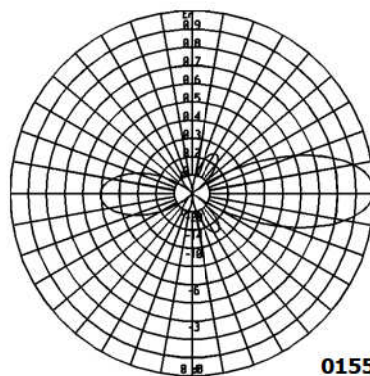
All metallic parts of the antenna are connected to ground.

This antennas are provided with stainless steel pipe mounting system for a mast with diameter up to 60 mm.

RADIATION PATTERN



0155



0155R