0241A

Circular polarized Dipole Antenna

87.5÷108 MHz

Type	0241A
Frequency	87.5÷108 MHz
Impedance	50 Ω
V.S.W.R.	< 1.40
Gain	Refer to table below
Polarization	circular
Input connector	7/8" EIA Flange
option 1	N female
option 2	7/16 female
Max power	3 kW with 7/8" EIA flange
Survival wind velocity	220 km/h
Wind load (at 160 km/h)	305 N
Dipoles amterial	Stainless Steel AISI 304
Internal lineas material	Alluminium treated
Insulators	PTFE
Dimensions	156x115x115 cm
Net weight	13 kg
Gross weight	16 kg

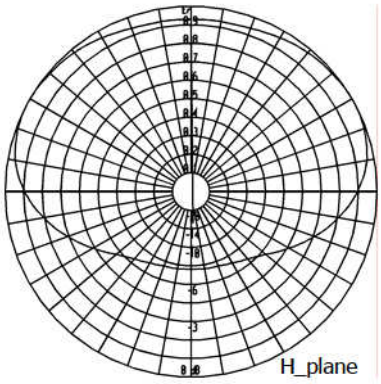
The stainless steel antenna is completely sealed. All metallic parts are connected to ground. Pressurisable on request.

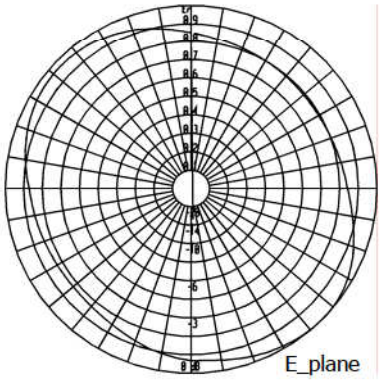
Dipoles can be fully disassembled.

Stacked dipole system with omnidirectional radiation pattern can be realised with different elevation directivity, as shown in the following table.

# of bays	Gain [dBd]
2	-1.5
3	0.25
4	1.5
5	3.30
6	4.50
12	6.30

RADIATION PATTERN





MOUNTING SYSTEM

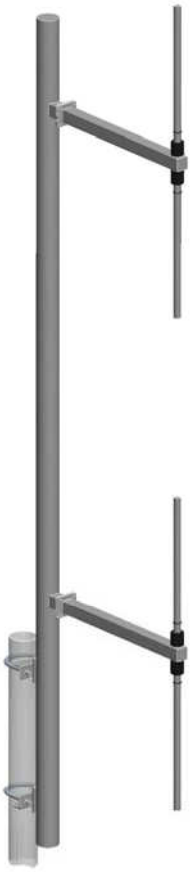
With special clamps for pole:
Ø 50÷110 mm

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



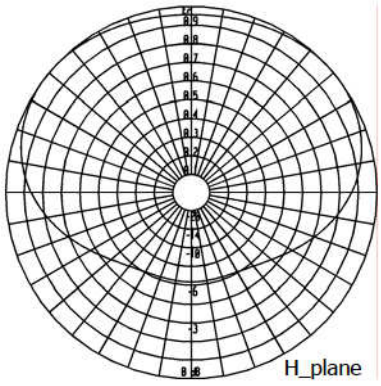
The standard version of this waterproof antenna is realised with hot galvanised steel; also available a stainless steel version on request.

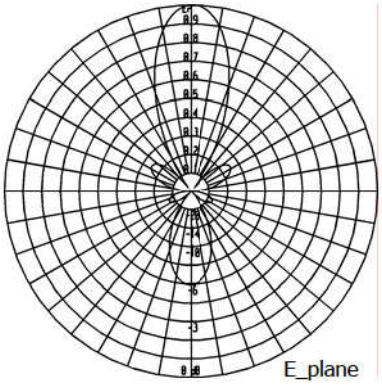
All metallic parts are connected to ground.

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 ∅ max. 89 mm.

RADIATION PATTERN

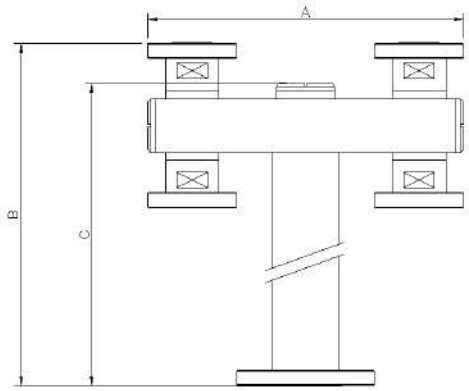




Power Dividers
DAB

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 alluminium
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

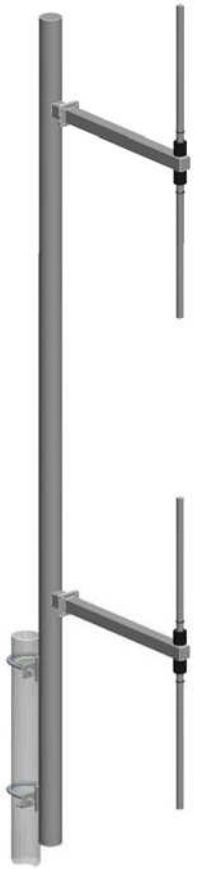
Page

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 dimensions	wooden crate 270x80x37 cm
Net weight	35 kg
Gross weight	90 kg



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RADIATION PATTERN