

1-Port BiDir Antenna Vertical Polarization HPBW

694–960/1710–2690

V

65°

KATHREIN

1-Port BiDir 694–960/1710–2690 65° 5dBi

Type No.		80020448	
Input		1 x 4.3-10 female	
Frequency range	MHz	694 – 960, 1710 – 2690	
VSWR		694 – 960 MHz: < 2.0 1710 – 2690 MHz: < 1.7	
Gain	dBi	694 – 806 MHz: 5.0 806 – 960 MHz: 5.5 1710 – 2690 MHz: 6.5	
Impedance	Ω	50	
Polarization		Vertical	
Intermodulation IM3	dBc	< –150 (2 x 43 dBm carrier)	
Max. power (total)	W	200 (at 50 °C ambient temperature)	
Weight	kg	1.1	
	lb	2.4	
Wind load (at 150 km/h)	N lbf	Frontal:	30 6.7
		Lateral:	70 15.7
		Rearside:	35 7.9
Max. wind velocity	km/h	200	
	mph	124	
Packing size	mm	450 x 205 x 110	
	inches	17.7 x 8.1 x 4.3	
Height/width/depth	mm	428 / 180 / 79	
	inches	16.9 / 7.1 / 3.1	
Fire load	kWh	4.46	

Material: Radiator: Tin-plated copper.
Reflector: Weather-proof aluminum.
Radome: High impact plastic, color: Grey.
All screws and nuts: Stainless steel.

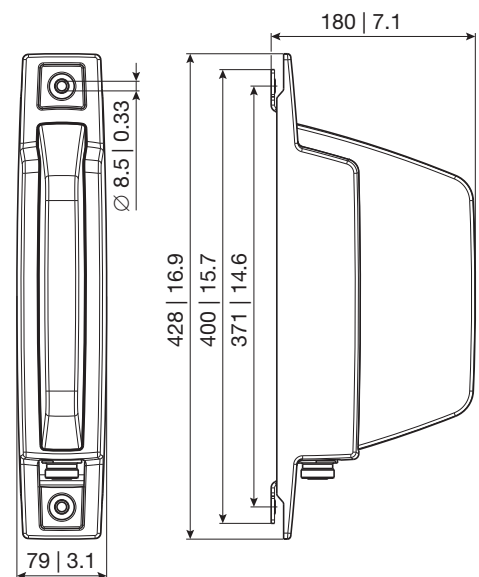
Mounting: Wall mounting: No additional mounting kit needed.
For pipe mast mounting use clamps listed below (order separately).

Ice protection: The radiating system is protected by the radome. Due to its very sturdy construction, the antenna remains operational even under icy conditions.

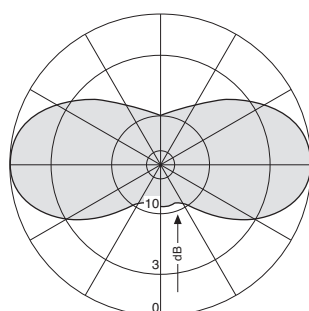
Grounding: All metal parts of the antenna as well as the inner conductor are DC grounded.

Accessories (order separately)

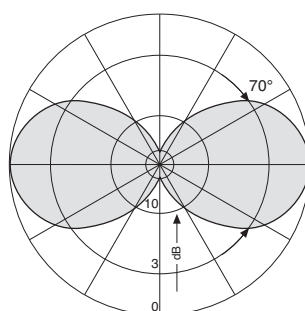
Type No.	Description	Mast diameter mm inches	Weight approx. g lb	Units per antenna
734360	2 clamps	34 – 60 1.3 – 2.4	60 0.13	1
734361	2 clamps	60 – 80 2.4 – 3.1	70 0.15	1
734362	2 clamps	80 – 100 3.1 – 3.9	80 0.18	1
734363	2 clamps	100 – 120 3.9 – 4.7	90 0.20	1
734364	2 clamps	120 – 140 4.7 – 5.5	110 0.24	1
734365	2 clamps	45 – 125 1.8 – 4.9	80 0.18	1



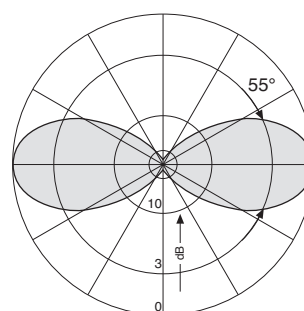
All dimensions in mm | inches



Horizontal Pattern



Vertical Pattern
694–960 MHz



Vertical Pattern
1710–2690 MHz

Any previous data sheet issues have now become invalid.