6 dBd HD omni antenna 380 - 430 MHz, Low PIM

BESCHREIBUNG

- The 422x Series omni antenna is designed for demanding applications where a durable and high performance colinear is required.
- The centre fed dipole design and feed network gives a stable radiation pattern across a wide bandwidth, and allows tilted beam designs to be effectively employed without large pattern distortions.
- High quality materials and manufacturing techniques are employed to ensure that the antenna has excellent intermodulation performance & wide bandwidth characteristics for multi-channel trunked radio communication systems.
- The antenna has been designed to withstand lightning strike.
- Former Skymasts brand product.

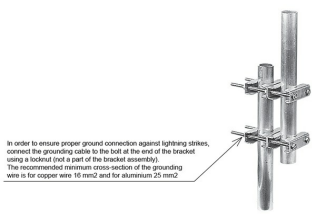
SPEZIFIKATIONEN

Elektrisch DE	
Modelll	422x.06-405-Txx
Frequenz	380 - 430 MHz
Max. Eingangsleistung	300 W
Abweichung Von Omni	< ± 1 dB
Polarisation	Vertikal
Spitzenfunkleistung	25 kW
Öffnungswinkel 3 dB, vertikal	16° ±1°
Öffnungswinkel 3 dB, horizontal	Omnidirektional
Impedanz	50 Ω
Gewinn	6 dBd (8.2 dBi)
VSWR	< 1.5:1
Passive Intermodulation	-153 dBc (3rd Order, 2 x Tx @ 43 dBm) (PIM value not guaranteed for N connector version)
Blitzschutz	Lightning current handling capability : 200 kA According to EN 62305-1 (Test pulse 10/350 µs)
Antistatischer Schutz	Alle Metallteile DC-geerdet (Stecker zeigt einen DC-Kurzschluss)

Mechanisch DE	
Anschlusstyp	7/16 DIN(f), N(f) or 4.3-10(f)
Materialien	Antenna Base : Aluminium Shroud : GRP tube 53 mm dia.
Befestigungsabschnitt	Al. Rohr 63,5 mm Durchmesser x 350 mm lang
Abmessungen	2900 (l) x 53 (dia.) mm
Windlast	230 N (160 km/h)
Gewicht	ca. 8.1 kg
Montagehalterung	2141.01.00.00 (up to 120 mm dia.) (Ordered Separately) ETC-250 (50 to 76 mm dia.) (Ordered Separately)

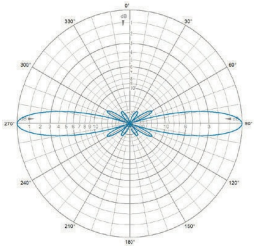
Umwelt	
Betriebstemperaturbereich	-40 °C to +70 °C
Max. Windgeschwindigkeit	300 km/h
IP Schutzklasse	IP56

MONTAGEHINWEISE



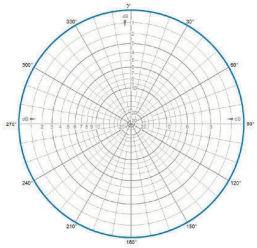
DIAGRAM

STRAHLUNGSDIAGRAMM



E-Plane | 405 MHz

STRAHLUNGSDIAGRAMM



H-Plane | 405 MHz

BESTELLUNG

Modell	Produkt Nr	Beschreibung	Frequenz
6 dBd HD omni antenna, low PIM	4220.06-405-T0	7/16 DIN(f) ; 0° Electrical Tilt	380 - 430 MHz
6 dBd HD omni antenna, low PIM	4220.06-405-T4	7/16 DIN(f) ; 4° Electrical Tilt	380 - 430 MHz
6 dBd HD omni antenna, low PIM	4220.06-405-T5	7/16 DIN(f) ; 5° Electrical Tilt	380 - 430 MHz
6 dBd HD omni antenna, low PIM	4220.06-405-T6	7/16 DIN(f) ; 6° Electrical Tilt	380 - 430 MHz
6 dBd HD omni antenna, low PIM	4220.06-405-T8	7/16 DIN(f) ; 8° Electrical Tilt	380 - 430 MHz
6 dBd HD omni antenna, low PIM	4220.06-405-T10	7/16 DIN(f) ; 10° Electrical Tilt	380 - 430 MHz
6 dBd HD omni antenna, low PIM	4220.06-405-T12	7/16 DIN(f) ; 12° Electrical Tilt	380 - 430 MHz
6 dBd HD omni antenna, low PIM	4221.06-405-T0	N(f) ; 0° Electrical Tilt	380 - 430 MHz
6 dBd HD omni antenna, low PIM	4221.06-405-T4	N(f) ; 4° Electrical Tilt	380 - 430 MHz
6 dBd HD omni antenna, low PIM	4221.06-405-T5	N(f) ; 5° Electrical Tilt	380 - 430 MHz
6 dBd HD omni antenna, low PIM	4221.06-405-T6	N(f) ; 6° Electrical Tilt	380 - 430 MHz
6 dBd HD omni antenna, low PIM	4221.06-405-T8	N(f) ; 8° Electrical Tilt	380 - 430 MHz
6 dBd HD omni antenna, low PIM	4221.06-405-T10	N(f) ; 10° Electrical Tilt	380 - 430 MHz
6 dBd HD omni antenna, low PIM	4221.06-405-T12	N(f) ; 12° Electrical Tilt	380 - 430 MHz
6 dBd HD omni antenna, low PIM	4223.06-405-T0	4.3-10(f) ; 0° Electrical Tilt	380 - 430 MHz
6 dBd HD omni antenna, low PIM	4223.06-405-T4	4.3-10(f) ; 4° Electrical Tilt	380 - 430 MHz
6 dBd HD omni antenna, low PIM	4223.06-405-T5	4.3-10(f) ; 5° Electrical Tilt	380 - 430 MHz
6 dBd HD omni antenna, low PIM	4223.06-405-T6	4.3-10(f) ; 6° Electrical Tilt	380 - 430 MHz
6 dBd HD omni antenna, low PIM	4223.06-405-T8	4.3-10(f) ; 8° Electrical Tilt	380 - 430 MHz
6 dBd HD omni antenna, low PIM	4223.06-405-T10	4.3-10(f) ; 10° Electrical Tilt	380 - 430 MHz
6 dBd HD omni antenna, low PIM	4223.06-405-T12	4.3-10(f) ; 12° Electrical Tilt	380 - 430 MHz
Accessories			
Galvanised steel parallel bracket	2141.01.00.00	38 - 120 mm (PAIR)	
Extruded Parallel Tube Clamp	ETC-250	50 - 76 mm	

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