

HIRSCHMANN MOBILITY



CELLULAR (2G/3G/4G) Magnetic Antenna

CEL 7026 RD M/series Pt no. 955-006-...

• 2G through 4G / LTE service

Subject to alterations

Technical data				
Dimensions		Ø 30 mm x 91.4 mm		
Housing Materials		ASA+PC		
Weight		ca.71g		
Temperature range		-40-+80°C		
Protection class	ection class		IP66(acc. IEC60529)	
CELLULAR				
Frequency range	LTE (low): LTE (high): GSM 850: GSM 900: GSM 1800: GSM 1900: UMTS:	698 - 862 MHz 2305 - 2690 MHz 824 - 894 MHz 880 - 960 MHz 1710 - 1880 MHz 1850 -1990 MHz 1920 - 2170 MHz		
Impedance		50 Ohm		
Load capacity	max.	10 W pulsed acc. GSM standard		
Return loss		> 12dB		
Gain		3 dBi		

Product name	Order code	Cable	Connector
		RG 174 Low Loss	
CEL 7026 RD M/FME/2.5	955-006-001	2500 mm	FMEf
CEL 7026 RD M/SMA/2.5	955-006-002	2500 mm	SMAm

Subject to alterations

Technical drawings



Installation



Fig. 1



Fig. 2



Fig. 3

CELLULAR (2G/3G/4G) MAGNETIC ANTENNA CEL 7026 RD M/series Pt no. 955-006-...

Antenna diagrams

Typical VSWR







LTE High Band 50.00 00 GHZ -17.006 dB 00 GHZ -14.676 dB 00 GHZ -39.793 dB 00 GHZ -16.604 dB 40.00 30.00 20.00 10.00 0.000 -10.00 -20.00 -30.00 -40.00 -50.00

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CELLULAR (2G/3G/4G) MAGNETIC ANTENNA

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Antenna diagrams

Typ. radiation pattern (H-plane)



Lin. Avg. Gain = 5.52 dBi; Std = 0.16 dB Min. Gain = 5.16 dBi; Max. Gain = 5.90 dBi



Lin. Avg. Gain = 3.27 dBi; Std = 0.46 dB Min. Gain = 2.54 dBi; Max. Gain = 3.98 dBi



Lin. Avg. Gain = 1.93 dBi; Std = 0.68 dB Min. Gain = 0.82 dBi; Max. Gain = 2.87 dBi



FREQ = 1790.00 MHz, EL = 20.0 degrees, POL = VLP

Lin. Avg. Gain = 2.63 dBi; Std = 0.99 dB Min. Gain = -0.21 dBi; Max. Gain = 4.43 dBi



Lin. Avg. Gain = 3.39 dBi; Std = 0.79 dB Min. Gain = 1.28 dBi; Max. Gain = 4.71 dBi



FREQ = 2500.00 MHz, EL = 20.0 degrees, POL = VLP

Lin. Avg. Gain = 2.92 dBi; Std = 1.12 dB Min. Gain = 0.28 dBi; Max. Gain = 5.38 dBi

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