

Datasheet

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

CEL 7026 RD M/series

Pt no.

955 006-...

- Magnetic mount



Subject to alterations

Technical data

Dimensions	Ø 30 mm x 91.4 mm	
Housing Materials	ASA + PC	
Weight	ca. 71 g	
Temperature range	-40 - +80° C	
Protection class	IP66 (acc. IEC 60529)	
CELLULAR		
Frequency range	LTE (low) 698 to 862 MHz LTE (high): 2305 to 2690 MHz GSM 850: 824 - 894 MHz GSM 900: 880 - 960 MHz GSM 1800: 1710 - 1880 MHz GSM 1900: 1850 - 1990 MHz UMTS: 1920 - 2170 MHz	
Impedance	50 Ohm	
Load capacity	max.	10 W pulsed acc. GSM standard
Return loss	> 12 dB	
Gain	3 dBi	

Product name	Order code		Cable	Connector
			RG 174 Low Loss	
CEL 70 26 RD M/FME/2.5	US	HCEL-MX-0150A-01	2500 mm	FMEf
	EU	955 006-001		
CEL 70 26 RD M/SMA/2.5	US	HCEL-MX-0150A-02	2500 mm	SMAM
	EU	955 006-002		

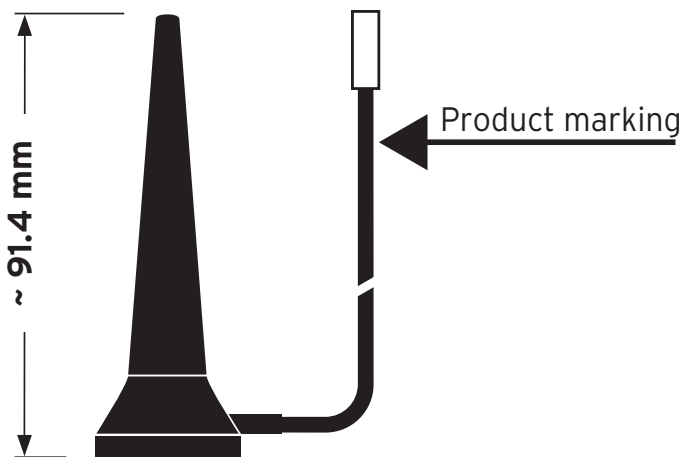
Datasheet

CEL 7026 RD M/series

Pt no.

955 006-...

Technical drawings



Installation

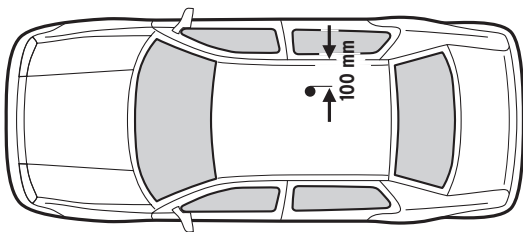


Fig. 1

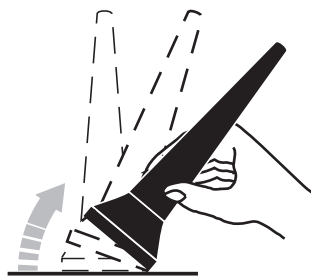


Fig. 2

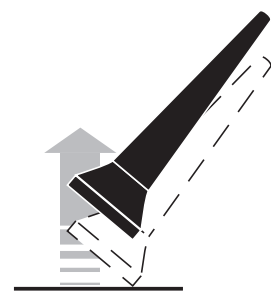


Fig. 3

Datasheet

CEL 7026 RD M/series

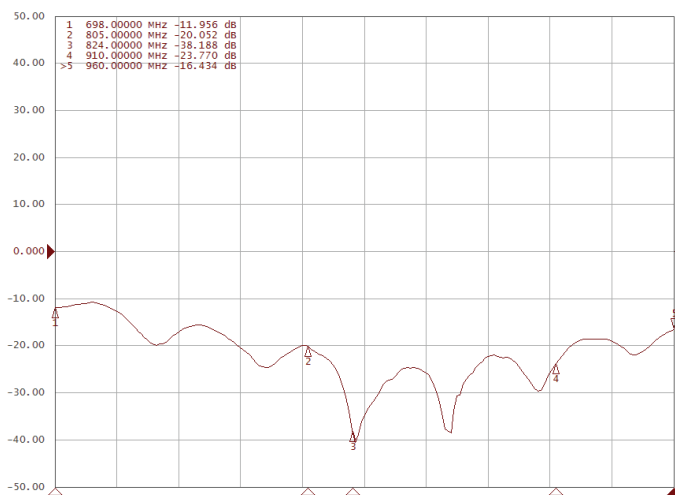
Pt no.

955 006-...

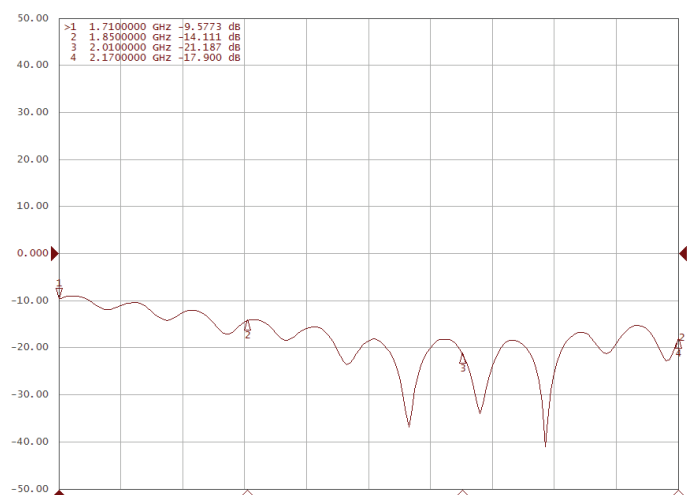
Antenna diagrams

Typ. VSWR

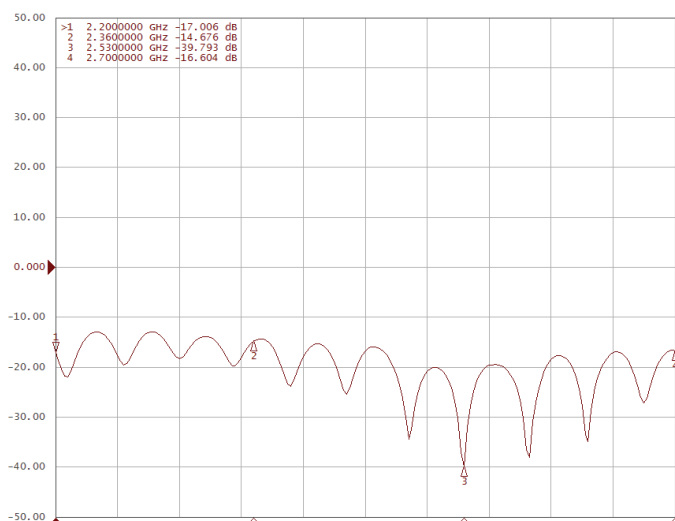
LTE/CELLULAR Low Band



CELLULAR High Band



LTE High Band



Datasheet

CEL 7026 RD M/series

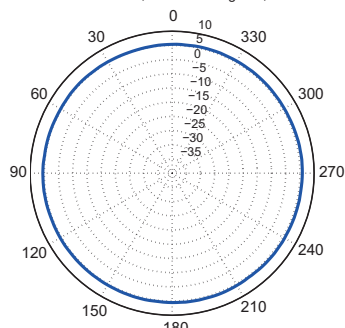
Pt no.

955 006-...

Antenna diagrams

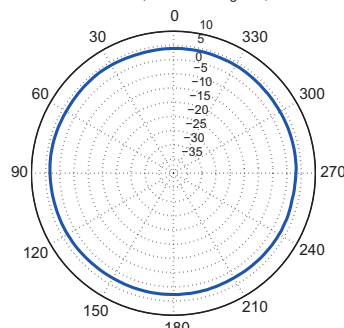
Typ. radiation pattern (H-plane)

FREQ = 720.00 MHz, EL = 20.0 degrees, POL = VLP



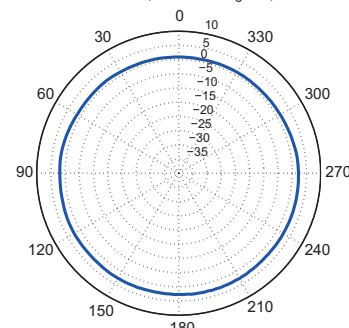
Lin. Avg. Gain = 5.52 dBi; Std = 0.16 dB
Min. Gain = 5.16 dBi; Max. Gain = 5.90 dBi

FREQ = 825.00 MHz, EL = 20.0 degrees, POL = VLP



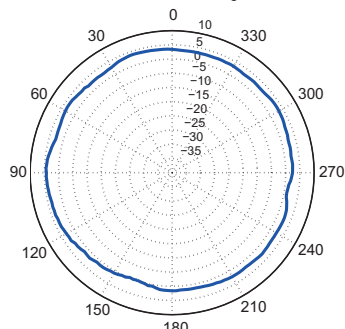
Lin. Avg. Gain = 3.27 dBi; Std = 0.46 dB
Min. Gain = 2.54 dBi; Max. Gain = 3.98 dBi

FREQ = 920.00 MHz, EL = 20.0 degrees, POL = VLP



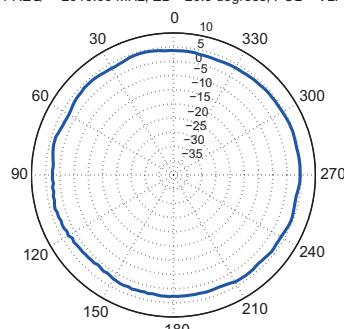
Lin. Avg. Gain = 1.93 dBi; Std = 0.68 dB
Min. Gain = 0.82 dBi; Max. Gain = 2.87 dBi

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



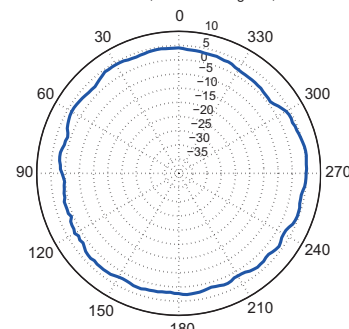
Lin. Avg. Gain = 2.63 dBi; Std = 0.99 dB
Min. Gain = -0.21 dBi; Max. Gain = 4.43 dBi

FREQ = 2010.00 MHz, EL = 20.0 degrees, POL = VLP



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