



## 400-490 MHz Lokomotive antenna LA-UHF. Models LA-433, LA-446, LA- CDMA

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### Electrical specifications

Model	LA-UHF	LA-433	LA-446	LA-CDMA
Operating frequency band, MHz	400-490	428-438	440-452	453-467
VSWR, not more than	1.5	1.5	1.5	1.5
Gain OFFSET, dBi	2.15	2.15	2.15	2.15
Sector in vertical plane , -3dB	65°	65°	65°	65°
Impedance, Ohm	50	50	50	50
Max. power input, W	300	300	300	300

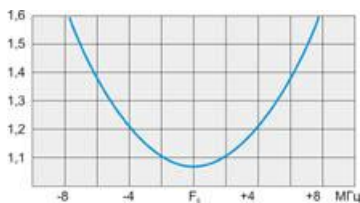
### Mechanical specifications

Model	LA-UHF	LA-433	LA-446	LA-CDMA
Weight, kg			not more 1	
Height/Length, mm			80	
Construction material			Aluminium alloy	
Radome			ABS	
Standard mounting			horizontal metal plane	
Rated wind velocity, m/s			55	
Wind loading area, m <sup>2</sup>			0,008	
Rated wind velocity with 0.5" icing, m/s			42	
Temperature range, °C			from -50 to +50	
Connector			N-female	

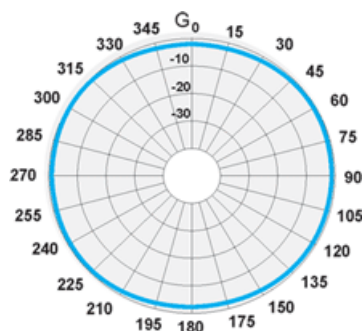
Locomotive antennas a new series of models "LA" are purposed to be exploited in the railroad communications systems within the range 405-470 MHz. The equipment of TETRA standard that works in this range as well as the data transfer system may include these mobile antennas.

The "LA" models have low-profile construction, their height does not exceed 80 mm and they are protected by a strong case made of ABS-plastic. This ensures the improved aerodynamic characteristics and additional electrical safety of this antenna. The construction is grounded by direct current.

### VSWR diagram, "LA" antennas



### "LA" H-plane pattern



### "LA" E-plane pattern

