

# TELESAT-7

Rugged, compact multiband antenna for navigation and tracking

Heavy duty omni-directional 7-BAND antenna including active GNSS antenna for through-hole roof mounting on trucks, trailers etc. including full 1/4 external WLAN whip antenna for optimum radiation performance

- LOW PROFILE DESIGN
- NO GROUNDPLANE NEEDED
- 7 BANDS IN ONE INSTALLATION



## ELECTRICAL SPECIFICATIONS

Frequency	790 - 960 MHz, 1561.1 - 1605.4 MHz, 1710 - 2170 MHz, 2401 - 2485 MHz, 2500 - 2690 MHz (GSM850/900/1800/1900/UMTS/LTE/WLAN/GNSS)
Impedance	50 ohm
VSWR	< 4.0:1 (790-960 MHz), < 5.0:1 (1710-2170 MHz), < 9.0:1 (2500-2690 MHz)
Satellite System	GLONASS, GPS, Galileo and BeiDou
Polarisation	Linear
Gain	0 dBi (Cellular)
Max. Input Power	10 W (GSM/UMTS/WLAN)
LNA Gain	26 dB (GNSS)
Noise Figure	1.35 dB (GNSS)
Supply voltage	3 - 5.5 V DC (Fed via cable) (GNSS)
Current consumption, average	20 mA

## Datasheet

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## MECHANICAL SPECIFICATIONS

Color	Black
Height	53.5 mm
Weight	150 g
Diameter	Ø 92 mm
Mounting	Bolt-on with adhesive tape for effective sealing
Mounting Place	On horizontal surface (Max. panel thickness 3 mm with cables to the side or 12 mm with cables straight out of the antenna)
Mounting Instruction	Unobstructed view to satellites
Mounting hole	Ø 13 - 20 mm
Build-in Depth	Approx. 17 mm
Materials	ABS, PE, brass and PCB
Operating Temperature	-40°C to +70°C
Connector	GSM/UMTS: SMA-female (Red)
Connector2	WLAN: SMA-female (Black)
Connector3	GNSS: FME-female (Blue)
Cable	0.15 m, 0.175 m and 0.2 m
Ingress protection	IP65 (When mounted)

## ORDERING INFORMATION

P/N	45700IP (Bulk packing)
P/N	45700 (Individually packing in Polybag)

## PACKAGING INFORMATION

Type	Bulk packing or individually packing in Polybag (See "Part No.")
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