







Outdoor Low profile direct mount Antenna

SKF490DM – 470-512 MHz



Features & Applications:

-  Vehicle roof mount, directly on metal plane
-  470-512MHz
-  Cable length and connector type per request
-  Available in Black (P/N SKF490DM) or White (P/N SKF490DMW)
-  Heavy and light vehicles
-  IoT, navigation, tracking

Electrical specifications @ 25° C

Frequency Band – 470-512 MHz

Antenna type ¹	Nominal Impedance	Polarization	Radiation pattern	Power withstanding	DC Ground
Dipole	50Ω	Vertical	Omni	100W	Yes

Frequency (MHz)	470-512
VSWR W/17FT (5.2M) Cable	2.2:1
Peak Gain (dBi)	2.2
Efficiency (%)	85
HPBW Vertical Plane (°)	72

Mechanical Specifications

SKF490DM				
Size W/H/L	Color	Weight	Cable / Connector Type	Fixing System ²
52.5 (2.07") x 63.6 (2.50") x 178.3 (7.02") mm	Black	375grms (0.83lbs)	RG-58 / SMA-Male	Direct Mount
Housing Material	Operating Temperature	Storage Temperature	Ingress Protection	RoHS-6 Compliant
UV Protected Plastic	-40°C to +85°C	-40°C to +85°C	IP67	Yes

Notes:

1. Measured on Ø24" (609.6mm) ground plane.
2. Requires Ø.875" (22.3mm) hole.

Test Setup / Charts

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antenna sample measured on $\varnothing 24''$ (609.6mm) ground plane

