

Frequency range(s)	690-960MHz, 1710-2170MHz, 2500-3800MHz	
Gain Min*	690-960MHz	2dBi (≈0dBd)
	1710-2170MHz	2dBi (≈0dBd)
	2170-3800MHz	2dBi (≈0dBd)
Gain Max*	690-960MHz	3dBi (≈1dBd)
	1710-2170MHz	4dBi (≈2dBd)
	2170-3800MHz	4dBi (≈2dBd)
VSWR* (all bands)	<2:1	
Efficiency*	Better than 3dB	
Impedance	50Ω	
Polarization	Vertical (if mounted vertically)	
Antenna type	PCB Patch	
Radiation pattern	Omnidirectional in free space	
Maximum power	5W	
Cable**	Low loss AA100	
Cable attenuation	<0.85dB/m @ 2GHz	
Cable length**	0.25m	
Cable color	Grey	
Connector**	SMA/SMB/FAKRA/FME	
Mounting	DIN-rail snap-in	
Temperature range	-40°C to +85°C	
Maximum humidity	RH 95% non condensing	
Wind resistance	>150km/h	
IP Class	NA	
IK Class	NA	
UV resistance	NA	
Product lifetime	>20years	
Flammability	V0	
Conformity	ROHS/CE	
Dimensions	123x42x10mm	
Weight	30g	
Color	Red	
Material	PCB substrate / Cu / Nylon	



* The total efficiency and VSWR is depending on materials in the near field of the antenna and size/shape of GND. The values in the specification are typical values in free space

** Other cable lengths and connector available on demand

Cable length, connector combinations:

12J-J002-EC-SNB (0.25m cable, Fakra Z(f) RA)

12J-J002-AK-01 (0.25m cable, Fakra D(f) RA)