

Wideband Steerable Beam Antenna

SBA1060B

The SBA1060B is a wideband steerable beam antenna covering the 1000 to 6000 MHz frequency range. The antenna beam can be steered to achieve optimal gain to the desired direction and to avoid interference from unwanted directions. The antenna provides up to 20 beams with a minimum of 25 degree beamwidth to cover the full 360 degree horizontal area. In addition to these narrow beams the antenna can also provide other beams. It's extremely fast beam steering ability makes the antenna suitable for complex node network in tactical communication.

- Great directivity with low side lobe levels to undesired direction.
- Fast beam steering by using RS-485 or Ethernet based communication
- Mast through antenna mounting with easy-to-use mast mount adapters



Product details*	
Frequency range	1000 - 6000 MHz
Polarization	Nominally vertical
Antenna type	Steerable beam antenna
Radiation pattern	Directional
Gain	8 to 14 dBi (typical)
3 dB beamwidth, Elevation	10-40° (typical)
3 dB beamwidth, Azimuth	30-60°(typical)
Sidelobe level	-10 dB (azimuth, typical)
VSWR	≤ 2.5
Nominal Impedance	50 Ω
Power rating	10 W (CW)
Power supply	19 – 32 VDC (<200 mA), MIL-STD-1275E
Beam steering speed	< 2 μs
Standard color	Black
Radiator	Selectable patch array element, 40 elements
Height	675 mm including the mast mounts
Diameter	590 mm
Weight	20 kg including the mast mounts

Installation*	
RF connection	Female N-type connector
Power and control	More information on request
Mounting	Mast mount adapters for 40-60 mm masts included

* More information on request

Order number	
SBA1060B	Antenna as described above

V0.5w
Date 26.09.2024

Page 1/1