

Switched Beam Antenna for UHF III+

SBA1327B

The SBA1327B is a switched beam antenna covering the UHF/NATO band III+ (1350 to 2700 MHz). The antenna beam can be switched by remote control to achieve optimal gain to the desired direction and to avoid interference from unwanted directions. The antenna provides 20 beams with a minimum of 28 degree beamwidth to cover the full 360 degree horizontal area. In addition to these narrow beams the antenna can also provide other beams. Its extremely fast beam switching ability makes the antenna suitable for complex node network in tactical communication.

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



Product details*	
Frequency range	1350 - 2700 MHz
Polarization	Nominally vertical
Antenna type	Switched beam antenna
Radiation pattern	Directional
Gain	13-16 dBi (typical)
3 dB beamwidth, Elevation	15° (typical)
3 dB beamwidth, Azimuth	35°(typical)
Sidelobe level	-12 dB (typical)
VSWR	≤ 2.5
Nominal Impedance	50 Ω
Power rating **	10 W (CW & Peak)
Power supply	19 – 32 VDC (<200 mA), MIL-STD-1275E
Beam switching speed	< 2 μs
Standard color	Black
Radiator	Selectable patch array element, 20 elements
Height	675 mm including the mast mounts
Diameter	590 mm
Weight	20 kg

** Cold switching

Installation*	
RF connection	Female N-type connector
Mounting	Mast mount adapters for 40-60 mm masts included

* More information on request

Order number	
SBA1327B	Antenna as described above