

EQUI-ANGULAR SPIRALS

Our equi-angular spiral antennas are designed for impedance and pattern characteristics which are essentially independent of frequency over the design range. These antennas are ideal for search applications where the polarization of the signal is unknown and/or where freedom from multipath interference effect is desired. The beam is right-circularly polarized on axis off one face, and left-circularly polarized off the other. The pattern goes to zero in the plane of the spiral.

The **ESA-220/A** and **ESA-3/B** are suitable for indoor applications and may be used for low power transmitting. The construction is such as to minimize size and weight, and it can be rolled or folded for ultimate portability. The antenna is fed at the center by a miniature coaxial cable made conductively integral with one of the spiral arms to the neutral outer edge.



ESA-3/B

SPECIFICATIONS: EQUI-ANGULAR SPIRALS

POLARIZATION: RHCP or LHCP

PATTERN: Bidirectional

IMPEDANCE: 50 ohms

	ESA-3/B	ESA-220/A	ESA-28/A
FREQUENCY	100 - 1000 MHz	200 - 2000 MHz	2 - 8 GHz
3 DB BEAMWIDTH	90°	90°	90°
GAIN	2 dBic	2 dBic	2 dBic
VSWR (MAX.)	2.0 : 1	2.0 : 1	2.0 : 1
POWER CW	10 W	10 W	10 W
PEAK	100 W	100 W	100 W
CONNECTOR	BNC female	BNC female	SMA female
SIZE	36" x 45"	20" x 25"	4" x 5"
WEIGHT (LBS/KG)	5 / 2	3 / 1.5	1 / .5