

FLAG DESIGNED FLEXIBLE LAMINATE ANTENNA

GENERAL DESCRIPTION

The antenna is constructed with a flexible laminate on a small plastic carrier. It is perfect for smaller wireless devices and designed for automated production. The antenna only requires a small area on the PCB even though the area of the antenna is large. It can be delivered on Tape-On-Reel.



APPLICATIONS

The antenna is designed for SMD application. It can be used inside PDA's and other handheld devices with limited PCB space. The flex film antenna consists of a flexible film contracted to a PCB. Due to the characteristics of the flex film, the antenna can be bent for instance against the inside of a plastic cover. It can also be applied on a plastic carrier (see above) with a specific contour. The flex film antenna is easy to customize. The antenna is soldered manually or automatically, but we can also customize it for your contact methods.

PROJECT LEAD-TIME & COSTS

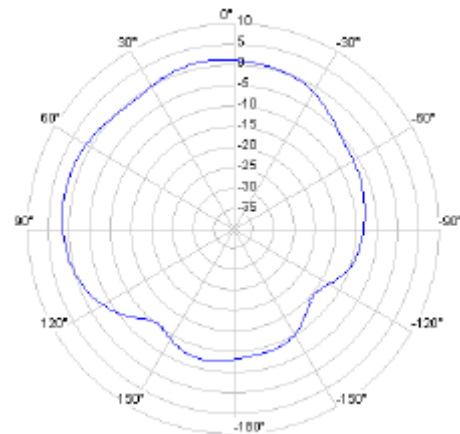
Total lead-time	~100 days
Tuning/change lead-time	~75 days
Development cost	~\$100,000
Industrialization cost	~\$100,000
Unit Price	~\$100

TYPICAL PERFORMANCE

Antenna	Single band antenna
Frequency range	Bluetooth, W-Lan, Dect
Gain	1 dBi
VSWR (typical)	2:1
Impedance	50 ohm
PCB area	10 x 3.5 (the antenna area varies with regard to the placing)

TYPICAL RADIATION PATTERN

Antenna gain, dBi, in free space



TYPICAL VSWR

Single band antenna

