

## ◆ Product Description

Micable has developed one programmable phase shifter MPS180400-E covering 18-40GHz, and user can control the phase shift via USB/Ethernet with 1 degree step, 0-360 degree range, absolute phase accuracy  $\pm 1^\circ$  Max over whole band. User can control this unit through the GUI user interface program provided by Micable, or control this unit by programming through the DLL dynamic link library file. Custom designs are available with frequency range over 0.5-40GHz.

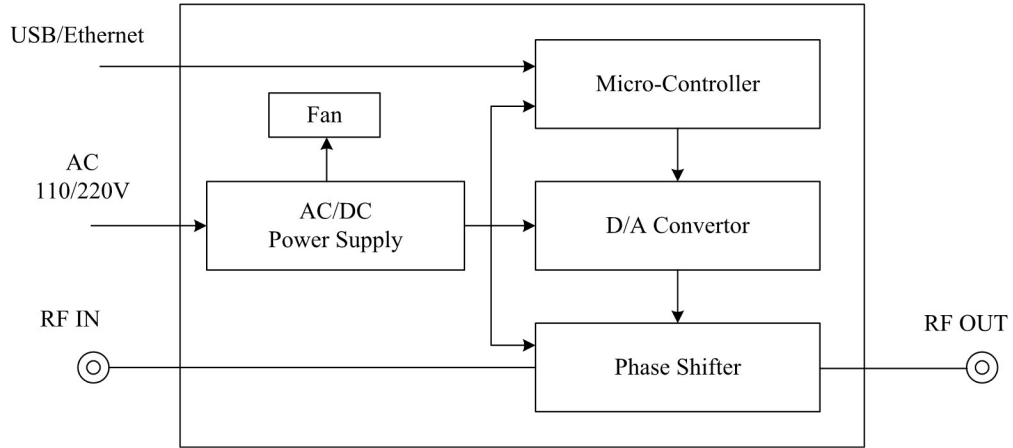
## ◆ Key Features

- Wide frequency range, 0.5-40GHz option
- Fine phase resolution, down to  $1^\circ$
- High absolute phase accuracy,  $\pm 1^\circ$  Max,  $\pm 0.5^\circ$  Typ.
- USB control, Easy to install and use
- User friendly Graphical User Interface for any Windows® 32 or 64 bit computer

## ◆ Specifications

Electrical Specifications at 23±3°C					
Parameter	Conditions	Min.	Typ.	Max.	Units
Phase Shift Range	18-40GHz	0	-	360	Deg
Phase Shift step	18-40GHz	1	-	-	Deg
Phase Shift accuracy	any single frequency	-	$\pm 0.5$	$\pm 1$	Deg
Insertion Loss	18-40GHz	-	-	16	dB
VSWR	18-40GHz	-	-	2.5	:1
Input Operation Power (RF in and RF out ports)	Without performance degradation	-	-	20	dBm
Survival input power	No damage	-	-	30	dBm
Min Dwell Time	High speed mode	-	5		mSec
Supply Voltage	AC	100	-	240	V
Control Mode	USB/Ethernet				
RF IN/OUT Connector	2.92mm-F				
Size	227x114x50 mm (Without base plate)				
Operating Temperature	0°C to 70°C				
Storage Temperature	-20°C to 80°C				

◆ Schematic Diagram



◆ Outline Drawing

