

## ◆ Product Description

Micable has developed one programmable phase shifter MPS020180-E covering 2-18GHz, and user can control the phase shift via USB/Ethernet with 1° step, 0-360° range, absolute phase accuracy ±1° 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°
- High absolute phase accuracy, ±1° Max., ±0.5° 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.
Phase Shift Range	2-18 GHz	0°		360°
Phase Shift Step		1°		
Phase Shift Accuracy	Any Single Frequency		±0.5°	±1°
Insertion Loss	2-18 GHz			18dB
VSWR				2.2:1
Input Operation Power (RF In & RF Out Ports)	Without Performance Degradation			10 dBm
Survival Input Power (RF In & RF Out Ports)	No damage			30 dBm
Supply Voltage		100 VAC		240 VAC
Control Mode	USB / Ethernet			
RF In/Out Connector	SMA-F			
Size	TBD			
Operating Temperature	0°C to 50°C			
Storage Temperature	-20°C to 70°C			

◆ Schematic Diagram

