UNIVERSAL COOPERATE LTD.

Model UCLBPS-S

Phase Shifters

240°with 20°/GHz

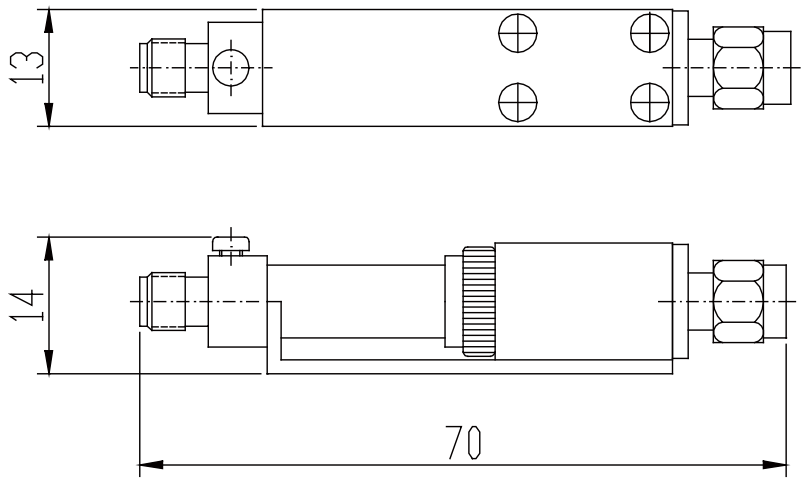
50 Watts DC-12GHz

Phase shifters are used to continuously transform the delay of signal and adjust phase of measure system in RF transmission system and mainly used in phase-controlled antenna array radar. UCLBPS-S phase shifters' average power 50W, frequency range DC-12GHz, adjustable phase 20°per GHz and totally 240° phase adjustable.

NOMINAL IMPEDANCE: 50Ω
AVERAGE POWER: 50W
PEAK POWER: 2KW (5μs pulse width with 2.5% duty cycle)
TEMPERATURE RANGE:
Operating：-10°C～+50°C;
Non-operating：-40°C～+70°C
CONNECTOR TYPE: SMA
WEIGHT: 50g
PHYSICAL DIMENSIONS: 70×13×14mm

Model Number	Frequency Range(GHz)	Max VSWR	Insertion Loss(dB)	Phase Adjustment
UCLBPS-S-2-40	DC-2	1.25	≤0.35	40°
UCLBPS-S-3-60	DC-3	1.3	≤0.5	60°
UCLBPS-S-6-120	DC-6	1.4	≤0.75	120°
UCLBPS-S-9-180	DC-9	1.5	≤1.00	180°
UCLBPS-S-12-240	DC-12	1.6	≤1.25	240°

Outline Drawings



* Dimensions are given in mm and tolerance ±2%.
** VSWR varies according to frequency.

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