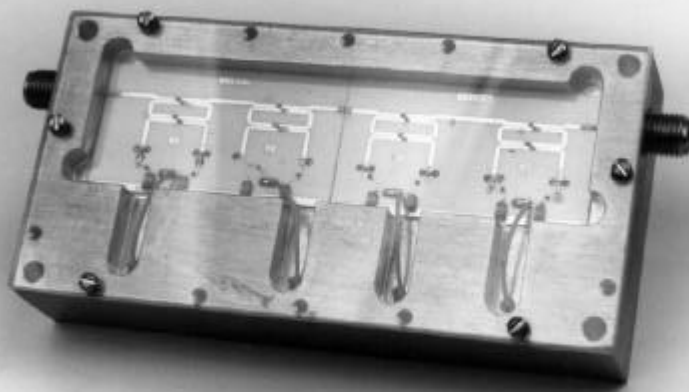


FOUR-BIT DIGITAL PHASE SHIFTERS WITH OCTAVE BANDWIDTHS



TYPICAL SPECIFICATIONS

Part Number	DP640.75	DP641.5 - 67	DP643.0 - 67	DP646.0 - 67
Frequency Range	.5 - 1 GHz	1 - 2 GHz	2 - 4 GHz	4 - 8 GHz
Insertion Loss, Max./typ.	3.5/2.5 dB	3.5/2.5 dB	4.0/3.25 dB	5.0/4.25 dB
Differential Loss, Max.	± 0.5 dB	± 0.5 dB	± 0.5 dB	± 0.75 dB
VSWR, average / peak	1.5/2.0	1.5/2.0	1.5/2.0	1.7/2.2
Phase Error, peak / RMS	± 10°/6°	± 10°/6°	± 10°/6°	± 12°/8°
Phase Bits	22.5°, 45°, 90°, 180°			
RF Power, operating, Max.	1 WCW			
Control, TTL	4 lines, 6 TTL loads per line			
Switching Time, Max.	250 nsec.			
DC Power, %	+5V/175 mA, -15V/90mA			
RF Connectors	SMA (F)			
DC and TTL Connector	DA - 15P			
Operating Temperature	-55°C to + 85°C			
Dimension A	5.70 in.	4.50 in.	3.50 in.	2.90 in.
Dimension B	4.30 in.	4.25 in.	3.25 in.	2.65 in.

DESCRIPTION

These four-bit digital phase shifters are uniquely designed to provide constant phase shift vs. frequency. They are available over an extremely broad frequency range - from 0.5 GHz to 8 GHz - and cover a wide range of applications.

APPLICATIONS

- Broadband antenna steering
- Test simulators
- Custom test stations



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