

UMS 6-BIT PHASE SHIFTERS

A comprehensive family of 6-bit phase shifters from L to X-band:

- Outstanding accuracy & speed
- Bare die and SMT hermetic & plastic package
- Class S for Space applications



L-BAND Bare Die / SMT Plastic Package

Part Number	Freq. (GHz)	Insertion Loss (dB)	Peak Phase Error (°)	RMS phase Error (°)	Input Power @ 1dB Comp (dBm)
CHP3010-99F	1.2 - 1.4	7	-1 / +3	1.5	24
CHP3010-QFG	1.2 - 1.4	7	-1 / +3	1.5	24

S-BAND Bare Die / SMT Plastic Package

Part Number	Freq. (GHz)	Insertion Loss (dB)	Peak Phase Error (°)	RMS phase Error (°)	Input Power @ 1dB Comp (dBm)
CHP4012a98F	2.7 - 3.5	6	-2 / +4	1	24.5
CHP4012-QEG	2.7 - 3.5	5.5	-2 / +4	1	24.5

C-BAND Bare Die / SMT Plastic Package

Part Number	Freq. (GHz)	Insertion Loss (dB)	Peak Phase Error (°)	RMS phase Error (°)	Input Power @ 1dB Comp (dBm)
CHP4014-98F	5 - 6	6	-4 / +4	1	26
CHP4014-QEG	5 - 6	6	-4 / +4	1	26

X-BAND Bare die / SMT plastic package

Part Number	Freq. (GHz)	Insertion Loss (dB)	Peak Phase Error (°)	RMS phase Error (°)	Input Power @ 1dB Comp (dBm)
CHP4010-99F	7.5-8.5	8	-5/+5	1.5	24.5
CHP4010-QDG	7.5-8.5	8.5	-6/+6	1.5	24.5
CHP3015-99F	8.5 - 11.5	7.5	-3 / +5	2.5	24
CHP3015-QDG	8.5 - 11.5	8	-2/+8	4	23.5

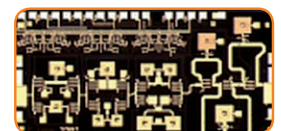
CMOS/TTL compatibility: 0/3.3 & 0/5.0 (V) - Switching time: <30ns

L-BAND Hermetic package

Part Number	Freq. (GHz)	Insertion Loss (dB)	Peak Phase Error (°)	RMS phase Error (°)	Control Voltage (V)
CHP6013-SRF	1.2 - 1.4	8.5	-5 / +5	2	-6 / 0



Space evaluated process (EPPL)



Build your own solution with UMS

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