

PHASE DETECTORS

SURFACE-MOUNT



FREQUENCY RANGE (MHz)		IMPEDANCE (Ohm)		POWER LEVEL (dBm)	ISOLATION (dB) LO/RF MIN	DC OUTPUT (mV) TYP/MIN	DC OFFSET (mV) TYP/MAX	PACKAGE	PIN-OUT (See Below)	MODEL
LO/RF	OUTPUT	LO/RF	OUTPUT							
1-100	DC-50	50	500	+7	40	1000/750	0.2/1.0	134J	1	PDZ-K1
10-200	DC-50	50	500	+7	40	1000/750	0.3/1.0	134J	1	PDZ-K2

THROUGH HOLE MOUNT MINI 8 PIN - RELAY CAN



FREQUENCY RANGE (MHz)		IMPEDANCE (Ohm)		POWER LEVEL (dBm)	ISOLATION (dB) LO/RF MIN	DC OUTPUT (mV) TYP/MIN	DC OFFSET (mV) TYP/MAX	PACKAGE	PIN-OUT (See Below)	MODEL
LO/RF	OUTPUT	LO/RF	OUTPUT							
1-100	DC-50	50	500	+7	40	1000/750	0.2/1.0	108	2	PDP-403
10-200	DC-50	50	500	+7	40	1000/750	0.3/1.0	108	2	PDP-402
50-400	DC-50	50	500	+7	35	600/500	0.5/1.0	108	2	PDP-413

8 PIN - RELAY CAN



FREQUENCY RANGE (MHz)		IMPEDANCE (Ohm)		POWER LEVEL (dBm)	ISOLATION (dB) LO/RF MIN	DC OUTPUT (mV) TYP/MIN	DC OFFSET (mV) TYP/MAX	PACKAGE	PIN-OUT (See Below)	MODEL
LO/RF	OUTPUT	LO/RF	OUTPUT							
1-100	DC-50	50	500	+7	40	1000/750	0.2/1.0	102	2	PDP-201
5-150	DC-50	50	500	+7	40	1000/750	0.3/1.0	102	2	PDP-202

NOTE:

1. Output polarity is negative on all models with the exception of PDZ-K1, which is positive polarity.
2. Maximum RF input power, 100 mW. Peak IF current, 40mA.

PIN-OUT TABLE

	LO	RF	DC OUTPUT	GROUND	CASE GND
# 1	1	4	5	2,3,6	---
# 2	8	1	*3,4	2,5,6,7	2

*Pins must be connected together externally.

For pin location and package outline drawings, see back pages.