



The MPD 8021-0002 contains transistor level devices which can be used to build a sub-circuit or to characterize and test individual transistor components.

FEATURES:

Device Type	Device Name	Description*
Bipolar	NPNHV1	High Voltage NPN, $BV_{cbo} = 160V$
	NPNHV2	2 Emitter High Voltage NPN
	NPHHV3	3 Emitter High Voltage NPN
	PNPHV	Dual Collector High Voltage PNP, $BV_{cbo}=160V$
CMOS	PMOSA	P Channel MOS 75U/8U, Optimized for analog applications
	PMOSD	P Channel MOS 45U/6U, Optimized for Digital applications
	PMOSO	P Channel MOS 200U/5U, Optimized for Digital I/O
	NMOSA	N Channel MOS 50U/8U, Optimized for analog applications
	NMOSD	N Channel MOS 45U/6U, Optimized for digital applications
	NMOSO	N Channel MOS 250U/6U, Optimized for digital I/O
	HVPCH	High Voltage P Channel MOS, $BV_{dss} = 145V$
DMOS	VDMOSL	High Voltage 10 ohm N Channel MOS, $BV_{dss} = 100V$
	VDMOSS	High Voltage 400 ohm N Channel MOS, $BV_{dss} = 100V$
	VDMOSG	High Voltage 200 ohm N Channel MOS, $BV_{dss} = 100V$
Zener's	ZENER12	12V Zener Diode
	ZENER6	6V Zener Diode
	ZENERTR	Trimming Zener
	RNG2100	2100 Ohm Resistor
	RPW138K	High Voltage 138K Ohm Resistor with center tap
	RPOLY	High Voltage 1100 ppm/C Variable Resistor 10-10K ohm
JFET	EPIFET	JFET Current Source
Schottky Diode	DSCH	Small Aluminum Schottky Diode
ESD Protection	DESDNP	ESD Pad Protection Diode, Low Side
	DESDPN	ESD Pad Protection Diode, High Side
	RESD	ESD Protection Resistor, 600 Ohms

The Circuit Description, Schematic Diagram, Pin-out detail, and spice parameters for all MPD 8021Kit Parts may be downloaded off the **EZANALOG™** Web Site at www.micrel.com or www.ezalog.com, **MPD 8021 Sub-circuit and Modeling, MPD 8021 Design Manual.**



LT-EZANALOG SEMICUSTOM ARRAY

MPD 8021 BIPOLAR/CMOS/DMOS IC

Advanced Information(8/12/97)

Schematic MPD 8021-0002-Component Array

68 Pin PLCC Package

