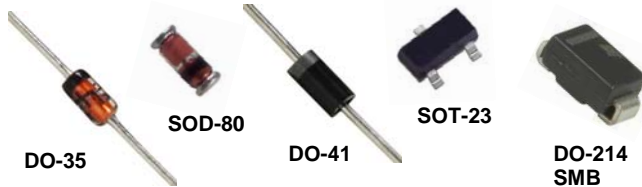


DIODES

SMALL SIGNAL & POWER DIODES



Order No	Description	Case	Each	10+pcs
1N4007	Rectifier Diode 1000v 1A	DO-41	\$0.10	\$0.08
1N4148	General Purpose Small Sig	DO-35	\$0.05	\$0.04
LL4148	SMD version of 1N4148	SOD-80	\$0.10	\$0.08
1N5819	Diode Schottky 1A 40v	DO-41	\$0.25	\$0.20
BAS16	SMD High Speed Switch	SOT-23	\$0.25	\$0.20
MBRS130LT3	SMD Switching Diode 30V 1A	SMB	\$1.10	\$0.88
S1G	SMD Power Diode 400v 1A	DO-214	\$0.20	\$0.16

SCHOTTKY DIODES



General purpose & high performance Schottky diodes for RF mixing, detectors, frequency discriminators. The BAS70-04 is a General purpose high speed switching diode. The HSMS-2822 is suitable for mixers in RX / TX converters up to 3.4GHz, & the HSMS-8202 is suitable for 5.7 & 10GHz RX / TX converters. The 1N5711 (Replaces BA481) & is suitable for mixers & RF detectors up to 1.2GHz.

Order No	Description	Case	Each	10+pcs
1N5711	Schottky Mixer Diode	DO-35	\$0.66	\$0.55
BAS70-04	Schottky Diode	SOT-23	\$0.20	\$0.16
HSMS-2822	Mixer Up To 3GHz	SOT-23	\$2.95	\$2.35
HSMS-8202	Mixer 3 -14GHz	SOT-23	\$3.05	-

DIODES

LIGHT EMITTING DIODES



Order No	Description	Each
LED1	5mm RED 5-15MCD Diffused	\$0.25
LED2	3mm RED 40deg 5 MCD Diffused	\$0.20
LED7	5mm GREEN 40deg 10 MCD Diff	\$0.25
LED10	5mm Clear WHITE 45deg 2-3k MCD	\$1.45
LED11	3mm Green 40deg 6 MCD Diffused	\$0.20

LED10 Suitable for panel Lamp replacement

ZENER / SUPPRESSION DIODES



Mini-Kits only stocks a small range of Zener Diodes commonly used in the Kits.

Order No	Description	Case	Each
.5Z5V1	5volt Zener Diode 0.5W	DO-35	\$0.25
BZX284C3V3	3volt Zener Diode 0.4W	SOD-80	\$0.35
BZX284C5V6	5.6volt Zener Diode 0.4W	SOD-110	\$0.35
1.5KE18A	18V Protection Diode	D0201	\$0.70

VARICAP DIODES



SOT-323

Many conventional leaded Varicap diodes have become obsolete. Unfortunately the packages have become very small SOT-323.

Order No	Description	Case	Each
BB153	VHF Varicap 2.6-40pF	SOT-323	\$0.70
BB149A	UHF Varicap 2.0-18pF	SOT-323	\$0.50
BB405B	UHF Varicap 0.4-25pF	DO-34	\$0.45

DIODES

RF SWITCHING PIN DIODES



RF Switching diodes suitable for Low power RX / TX switching in Transverter I/F stages, or Local Osc switching etc. The BA482 / BAT18 is suitable for VHF / UHF signal switching to 1GHz, & the HSMP-3824 is suitable for 1.2 or 2.4GHz equipment, & is usable up to 3GHz. The Mitsubishi MI809 is suitable for high power switching up to 10Watts on 1200MHz. [The BA482 are suitable replacements for bandswitching diodes in most older HF Transceivers.](#) [The BAT18 is the SMD version of the BA482.](#)

Order No	Description	Case	Each	10+pcs
BA482	VHF Band Switching Ct=1-1.6pF Rfs=0.7ohm	DO-34	\$0.65	\$0.52
BAT18	VHF Band Switching Ct=1.0pF Rfs=0.7ohm	SOT-23	\$2.20	\$1.76
HSMP-3824	PIN Diode SMD Ct=1pF Rfs=0.6ohm	SOT-23	\$1.05	\$0.945
MI809	PIN Diode SMD Ct=1.2pF Rfs=0.75ohm	SMD	\$3.00	9pcs in stock

ACTIVE BIAS CONTROLLER



SOT-343

Supplies a stable bias to NPN Transistors & FETs up to 200mA. Package is a tiny SOT343.

Order No	Description	Case	Each	10+pcs
BCR400W	Active Bias Controller	SOT-343	\$0.25	\$0.20

Download the Data sheet from the Mini-Kits WEB site

VOLTAGE REGULATORS

FIXED / ADJ VOLTAGE REGULATORS



Order No	Description	Case	Each	10+pcs
78L05	5volt 100mA	TO-92	\$0.60	\$0.48
78L05 SMD	5volt 100mA 8 Pin	SO-8	\$0.60	\$0.48
78L06	6volt 100mA	TO-92	\$0.65	\$0.52
78L08	8volt 100mA	TO-92	\$0.50	\$0.40
78L09	9volt 100mA	TO-92	\$0.60	\$0.48
78M08	8volt 0.5 Amp	D-PAK	\$0.75	\$0.60
7805T	5volt 1Amp	TO-220	\$0.60	\$0.48
7808T	8volt 1Amp	TO-220	\$0.70	\$0.56
7809T	9volt 1Amp	TO-220	\$0.80	
LD1117DT18C	1.8volt 0.8A	D-PAK	\$0.70	
LD1117DT33C	3.3volt 0.8A	D-PAK	\$0.70	
LM317LZ	Adj 100mA	TO-92	\$0.85	\$0.68
LM317T	Adj 1.5Amp	TO-220	\$1.20	\$0.96

LOW VOLTAGE DROP REGULATORS

Order No	Description	Case	Each
LM2940CT-8	8volt 1A	TO-220	\$3.30
LT1084CT	Adjustable 5Amp	TO-220	\$7.45
LM2940CT-12	12 volt 1A	TO-220	\$4.40

SWITCHING REGULATORS

The LT1507 is a 500Khz high efficiency stepdown switching regulator. Input voltage range is 4 to 15volts DC. Data sheet can be found on the Mini-Kits web site. The ICL7660 -ve voltage generator IC is suitable as a low current GaAs FET gate supply.

Order No	Description	Case	Each	10+pcs
LT1507CS8	1.5A Switching Reg	S0-8	\$10.50	
ICL7660CSA	-Ve Voltage Gen	S0-8	\$1.40	\$1.26

MOSFETS

POWER MOSFETS



SO-8



SOT-223

The Fairchild NDS9400A is suitable for powersupply switching of current up to 2.5A, & voltages of up to 30volts. The NDS9400A is used in Mini-Kits 2.4GHz poweramplifier Kit to switch power to the GaAs MMICs Drain supply. The NDT2955 & NDT3055L are suitable for general purpose power switching.

Order No	Description	Case	Each
NDS9400A	Single P Channel ID 2.5A VDS 30V	S0-8	\$2.85
NDT2955	MosFET P Channel ID -2.5A VDS -60V	SOT-223	\$0.95
NDT3055L	MosFET N Channel ID 4A VDS 60V	SOT-223	\$0.90