

Voltage Multipliers Inc. Quick Selection Guide

Part No.	V _{RWM} (Volts)	I _o (A) (55°C)	T _{RR} (ns)	Page
High Voltage Diodes				
1N6529	2000	0.25	70	28
X20FF3	2000	0.42	30	22
X20FF5	2000	0.42	50	22
1N6521	2000	0.50	70	30
Z20FF3	2000	1.00	30	24
Z20FF5	2000	1.00	50	24
1N6838	2000	1.50	50	26
1N6513	2000	2.00	70	32
M25UFG	2500	0.10	100	34
M25FG	2500	0.10	200	40
M25SG	2500	0.10	3000	46
X25UFG	2500	0.25	100	36
X25FG	2500	0.25	200	42
X25SG	2500	0.25	3000	48
Z25UFG	2500	1.50	100	38
Z25FG	2500	1.50	200	44
Z25SG	2500	1.50	3000	50
K25UF	2500	3.00	100	54
K25F	2500	3.00	200	56
K25S	2500	3.00	3000	58
1N6531	3000	0.10	70	28
1N6523	3000	0.25	70	30
1N6515	3000	1.50	70	32
M50FF3	5000	0.04	30	20
M50FF5	5000	0.04	50	20
1N6533	5000	0.05	70	28
M50UFG	5000	0.05	100	34
M50FG	5000	0.05	200	40
M50SG	5000	0.05	3000	46
X50FF3	5000	0.15	30	22
X50FF5	5000	0.15	50	22
1N6525	5000	0.15	70	30
X50UFG	5000	0.15	100	36
X50FG	5000	0.15	200	42
X50SG	5000	0.15	3000	48
Z50FF3	5000	0.36	30	24
Z50FF5	5000	0.36	50	24
1N6837	5000	0.50	30	26
1N6839	5000	0.60	50	26
1N6517	5000	1.00	70	32
Z50UFG	5000	1.00	100	38
Z50FG	5000	1.00	200	44
Z50SG	5000	1.00	3000	50
K50UF	5000	2.20	100	54
K50F	5000	2.20	200	56
K50S	5000	2.20	3000	58
M100FF3	10000	0.02	30	20
M100FF5	10000	0.02	50	20
1N6535	10000	0.025	70	28
M100UFG	10000	0.025	100	34
M100FG	10000	0.025	200	40
M100SG	10000	0.025	3000	46
X100FF3	10000	0.08	30	22
X100FF5	10000	0.08	50	22
1N6527	10000	0.10	70	30
X100UFG	10000	0.10	100	36
X100FG	10000	0.10	200	42
X100SG	10000	0.10	3000	48
Z100FF3	10000	0.18	30	24
Z100FF5	10000	0.18	50	24
1N6519	10000	0.50	70	32

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Z100UFG	10000	0.50	100	38
Z100FG	10000	0.50	200	44
Z100SG	10000	0.50	3000	50
K100UF	10000	1.50	100	54
K100F	10000	1.50	200	56
K100S	10000	1.50	3000	58
X150FF3	15000	0.05	30	22
X150FF5	15000	0.05	50	22
X150UFG	15000	0.05	100	36
X150FG	15000	0.05	200	42
X150SG	15000	0.05	3000	48
Z150UFG	15000	0.30	100	38
Z150FG	15000	0.30	200	44
Z150SG	15000	0.30	3000	50
M160UFG	16000	0.01	100	34
M160UFGHT	16000	0.01	100	52
M160FG	16000	0.01	200	40
M160SG	16000	0.01	3000	46
X200UFG	20000	0.025	100	36
X200FG	20000	0.025	200	42
X200SG	20000	0.025	3000	48
Surface Mount Diodes				
Z20FF3LL	2000	2.00	30	16
Z20FF5LL	2000	2.00	50	16
1N6838LL	2000	2.00	50	14
1N6513LL	2000	3.50	70	18
1N6515LL	3000	2.50	70	18
1N6837LL	5000	0.75	30	14
Z50FF3LL	5000	0.80	30	16
Z50FF5LL	5000	0.80	50	16
1N6839LL	5000	1.00	50	14
1N6517LL	5000	1.50	70	18
Molded Surface Mount Diodes				
SMF6529	2000	0.25	70	10
SXF20FF3	2000	0.42	30	8
SXF6521	2000	0.50	70	12
SMF6531	3000	0.10	70	10
SXF6523	3000	0.25	70	12
SMF6533	5000	0.05	70	10
SXF6525	5000	0.15	70	12
High Voltage Stacks				
SP50UF	5000	0.50	70	76
SP50S	5000	0.50	3000	78
FP50UF	5000	2.20	70	80
FP50S	5000	2.20	3000	82
SPJ100F	10000	0.05	70	72
SPJ100S	10000	0.05	3000	74
SP100UF	10000	0.50	70	76
SP100S	10000	0.50	3000	78
FP100UF	10000	2.20	70	80
FP100S	10000	2.20	3000	82
SP150UF	15000	0.50	70	76
SP150S	15000	0.50	3000	78
FP150UF	15000	2.20	70	80
FP150S	15000	2.20	3000	82
SPJ200F	20000	0.05	70	72
SPJ200S	20000	0.05	3000	74
SP200UF	20000	0.50	70	76
FP200UF	20000	2.20	70	80

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SP200S	20000	0.50	3000	78
FP200S	20000	2.20	3000	82
SPJ300F	30000	0.05	70	72
SP300S	30000	0.50	3000	74
SPJ400F	40000	0.05	70	72
SPJ400S	40000	0.05	3000	74
Single Phase Full Wave Bridges				
SPB50UF	5000	2.00	70	84
SPB100UF	10000	2.00	70	84
SPB150UF	15000	2.00	70	84
SPB200UF	20000	2.00	70	84

Part No.	V _{IN} (V _{PP})	V _{OUT} (V)	I _o (uA)	Page
Surface Mount Multipliers				
PVM302P12	600	3000	50	92
VM1447	600	3000	50	94
VM1548	800	2000	50	86
PVM302P08	800	3000	50	88
VM1448	800	3000	50	90
VM1566	1200	7000	50	96

Part No.	V _R (kV)	I _{RMAX} (uA)	I _{LED} (mA)	Page
Opto Couplers				
OC025	2.5	450	100	62
OC100	10	50	100	64
OC100G	10	200	100	64
OC100HG	10	250	100	64
OC150G	15	185	100	66
OC150HG	15	210	100	66
OC250	25	100	100	68

Part No.	V _{RWM} (kV)	I _o (A) (55°C)	I _{RR} (ns)	Page
Opto Diodes				
OZ100SG	10	0.50	3000	60
OZ150SG	15	0.30	3000	60

Part No.	V _{START} (kV)	I _{RUN} (mA)	P _{OUT} (W)	Page
HENE Laser Power Supplies				
LP6100P200	10	2	6	100
LP6100P500	10	5	6	100

Part No.	V _{OUT} (kV)	G ₂ (V)	P _{OUT} (W)	Page
CRT Power Supplies				
CRS110G50	11.0	500	6.0	98
CRS180G60	18.0	600	10.0	98

Part No.	V _{OUT} (kV)	I _{OUT} (uA)	P _{OUT} (W)	Page
Portable X-Ray Power Supplies				
XRS040N100	-40	100	4	102
XRS050N200	-50	200	10	102