

I_f (av) *A	V_{rrm} max. V	t_{rr} (max.) ns	Package	Mftr.	Mftrs List No.
70	600	60	DO-5	IR	70HFL60S02
70	600	60	DO-5	IR	70HFL60S02PBF
70	1000	150	DO-5	IR	70HFL100S05
70	1000	150	DO-5	IR	70HFL100S05PBF
70	1000	150	DO-5	IR	70HFLR100S05
85	600	50	DO-5	IR	85HFL60S02
85	600	50	DO-5	IR	85HFL60S02PBF

*Total forward current with both diodes conducting

211411

Mftrs. List No.	Order Code	1+	25+	100+	500+	+
BY359-1500	109-7284	73.00	58.00	52.00	39.00	--
BYT08P-400	980-1880	78.00	62.00	43.00	37.00	--
BYT08PI-400	980-1901	174.00	133.00	106.00	84.00	--
BYT08PI-1000	980-1898	227.00	174.00	138.00	110.00	--
BYT12P-1000	980-1910	193.00	148.00	118.00	93.00	--
BYT12PI-1000	980-1928	267.00	204.00	162.00	129.00	--
BYT16P-400	980-1936	182.00	139.00	111.00	88.00	--
BYT30P-400	980-1995	359.00	274.00	218.00	174.00	--
BYT30P-1000	980-1987	412.00	355.00	290.00	266.00	--
BYT30PI-400	980-2010	381.00	292.00	232.00	186.00	--
BYT30PI-1000	980-2002	418.00	360.00	295.00	255.00	--
BYT60P-400	980-2029	337.00	290.00	237.00	205.00	--
BYV52-200	980-2045	421.00	322.00	288.00	217.00	--
BYW29-200	980-2088	46.00	35.00	29.00	22.00	--
BYW51-200	980-2096	75.00	57.00	46.00	39.00	--
BYW77P-200	980-2100	300.00	230.00	205.00	154.00	--
BYW77PI-200	980-2118	336.00	257.00	229.00	162.00	--
BYW80-200	980-2126	69.00	53.00	43.00	34.00	--
BYW81P-200	980-2134	122.00	100.00	83.00	70.00	--
BYW98-200	980-2150	32.00	25.00	20.00	16.00	--
BYW81PI-200	980-2142	171.00	136.00	113.00	101.00	--
BYW99P-200	980-2169	234.00	179.00	160.00	120.00	--
12FL60S02	370-2182	281.00	202.00	164.00	149.00	--
12FL60S02PBF	NEW 910-0490	348.00	250.00	191.00	164.00	--
16FL60S02	366-997	286.00	205.00	166.00	152.00	--
16FL100S05	370-2236	243.00	174.00	150.00	133.00	--
16FL100S05PBF	NEW 910-0512	255.00	183.00	140.00	120.00	--
16FLR60S02	370-2250	286.00	205.00	166.00	152.00	--
16FL60S02PBF	NEW 910-0504	300.00	215.00	164.00	141.00	--
16FLR100S05	370-2248	243.00	174.00	141.00	129.00	--
16FLR100S05PBF	NEW 910-0520	255.00	183.00	140.00	120.00	--
40HFL60S02	370-2388	410.00	294.00	239.00	217.00	--
40HFL60S02PBF	910-0482	431.00	310.00	236.00	203.00	--
16FLR60S02PBF	NEW 910-0539	300.00	215.00	164.00	141.00	--
70HFL60S02	362-0499	444.00	277.00	242.00	--	--
70HFL60S02PBF	910-0547	484.00	347.00	265.00	228.00	--
70HFL100S05	393-8864	484.00	347.00	282.00	257.00	--
70HFL100S05PBF	910-0555	484.00	347.00	265.00	228.00	--
70HFLR100S05	393-8876	484.00	347.00	282.00	257.00	--
70HFLR100S05PBF	910-0563	484.00	347.00	265.00	228.00	--
85HFL60S02	370-2431	651.00	467.00	376.00	345.00	--
85HFL60S02PBF	910-0571	651.00	467.00	353.00	307.00	--

Fast Recovery Power Modules



Pin Out	1	2	3	4
a	K1	A2	K2	A1
b	A1	K1	K2	A2
c	A2	K2	K1	A1

V_{RRM} V	I_F^* (av) A	t_{rr} max. ns	V_F max. V	Pin out	Mftrs List No.
200	100	60	1.25	a	BYV54V-200
200	100	60	1.15	b	BYV541V-200
200	200	80	1.25	b	BYV255V-200
400	60	100	1.5	a	BYT230PIV-400
400	120	100	1.5	b	BYT261PIV-400
600	60	65	1.75	b	STTA6006TV1
600	60	65	1.5	a	STTA6006TV2
600	120	80	1.75	b	STTA12006TV1
1000	60	165	1.9	a	BYT230PIV-1000
1000	120	170	1.9	b	BYT261PIV-1000
1200	50	60	2.1	b	STTA5012TV1
1200	90	115	2.05	a	STTA9012TV2
1200	90	115	2.05	b	STTA9012TV1

*Total forward current with both diodes conducting

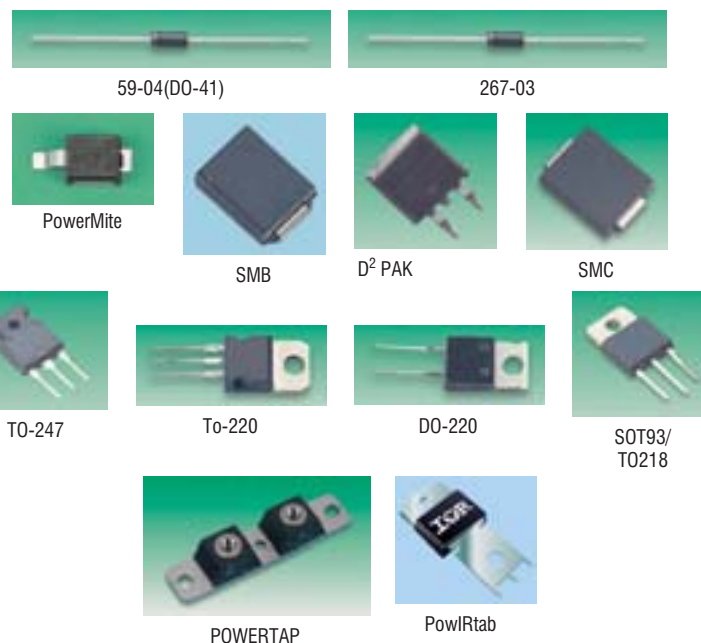
211223

Mftrs. List No.	Order Code	1+	25+	100+	250+	+
BYT230PIV-400	980-1952	978.00	818.00	669.00	595.00	--
BYT230PIV-1000	980-1944	1,196.00	1,001.00	819.00	728.00	--
BYT261PIV-400	980-1979	1,365.00	1,143.00	935.00	831.00	--
BYT261PIV-1000	980-1960	1,676.00	1,467.00	1,200.00	1,066.00	--
BYV54V-200	980-2061	1,440.00	1,079.00	962.00	701.00	--
BYV255V-200	980-2037	2,603.00	2,037.00	1,852.00	1,434.00	--
BYV541V-200	980-2053	1,417.00	1,055.00	941.00	685.00	--
STTA5012TV1	980-3726	1,232.00	1,032.00	787.00	--	--

Mftrs. List No.	Order Code	1+	25+	100+	250+	+
STTA6006TV1	980-3750	878.00	736.00	572.00	--	--
STTA6006TV2	980-3769	998.00	836.00	717.00	--	--
STTA9012TV1	980-3793	1,592.00	1,333.00	1,018.00	--	--
STTA9012TV2	980-3807	1,692.00	1,482.00	1,131.00	--	--
STTA12006TV1	980-3629	1,328.00	1,112.00	849.00	--	--

Power Diodes - Ultra-Fast Recovery

Power Diode Package Outlines



211284

Ultra-Fast Recovery Diodes

I_f (av) A	$I_{F(RMS)}$ A	V_{rrm} V	V_{rsm} V	I_{ism} A	t_{rr} max ns	V_f V	@ I_f	Package	Mftrs. List No.
1	—	200	—	40	35	0.875	1	SMB	MURS120TRPBF
5	16	200	—	50	35	1.25	5	D2-Pak	MURB1020CTPBF
5	16	200	—	50	35	1.25	5	TO-220AB	MUR1020CTPBF
6	—	200	—	50	35	1.2	6	D-Pak	MURD620CTPBF
8	—	200	—	100	35	0.975	8	D2-Pak	MURB1620CTPBF
8	—	200	—	100	25	0.975	8	TO-220AC	MUR820PBF
8	—	300	—	100	35	1	8	TO-220AC	8ETH03PBF
8	—	200	—	170	55	1.2	—	D-Pak	8EWF02S.PBF
8	—	400	500	170	55	1.2	8	D-Pak	8EWF04SPBF
10	—	200	—	100	35	1.15	10	TO-220AB	MUR2020CTPBF
10	—	600	700	160	80	1.33	10	TO-220AC	10ETF06PBF
10	—	1200	1300	160	80	1.33	10	TO-220AC	10ETF12PBF
15	—	200	—	200	35	1.05	15	TO-220AC	MUR1520PBF
15	—	300	—	140	40	1.05	15	TO-220AC	15ETH03PBF
16	—	200	—	100	25	0.75	8	TO-220AB	MUR1620CTPBF
10	—	200	—	100	35	1.15	10	TO-220AB	MUR2020CTPBF
20	—	600	700	300	60	1.3	20	TO-220AC	20ETF06PBF
20	—	600	700	300	95	1.3	20	D2-Pak	20ETF06SPBF
20	—	1000	1100	300	60	1.3	20	TO-220AC	20ETF10PBF
20	—	1200	1300	300	60	1.3	20	TO-220AC	20ETF12PBF
30	—	400	—	200	60	1.17	15	TO-247AC	30CPU04PBF
30	—	600	300	350	60	1.41	30	TO-247AC	30EPF06PBF
30	—	600	700	350	60	1.41	30	TO-247AC	30CPF06PBF
30	—	1000	1100	350	60	1.41	30	TO-247AC	30CPF12PBF
30	—	1200	1300	350	60	1.41	30	TO-247AC	30EPF12PBF
40	—	600	700	475	60	1.25	40	TO-247AC	40EPF06PBF
60	—	1200	1300	700	70	1.1	30	TO-247AC	60EPF12PBF
80	—	600	700	1000	70	1.1	40	TO-247AC	80EPF06PBF

211351

Mftrs. List No.	Order Code	1+	25+	100+	250+	+
MUR1020CTPBF	910-1675	73.00	52.00	40.00	34.00	--
MURB1020CTPBF	NEW 910-1683	60.00	44.00	33.00	28.00	--
MUR1520PBF	NEW 865-1540	73.00	52.00	40.00	34.00	--
MUR1620CTPBF	NEW 865-1558	104.00	55.00	45.00	35.00	--
MUR2020CTPBF	NEW 865-1566	73.00	52.00	42.00	39.00	--
MUR820PBF	NEW 865-1574	52.00	37.00	29.00	24.00	--
MURB2020CTPBF	NEW 910-1659	89.00	64.00	51.00	47.00	--
MURB1620CTPBF	NEW 910-1691	75.00	53.00	41.00	35.00	--
MURS120TRPBF	910-1640	14.00	10.00	8.00	7.00	--
MURD620CTPBF	NEW 910-1667	53.00	38.00	30.00	25.00	--
8ETH03PBF	NEW 865-7220	67.00	48.00	37.00	32.00	--
8EWF02S.PBF	NEW 910-1632	87.00	66.00	46.00	--	--
8EWF04SPBF	NEW 910-1624	90.00	65.00	--	--	--
8EWF12SPBF	NEW 910-1616	102.00	73.00	56.00	48.00	--
10ETF06PBF	NEW 910-1462	122.00	88.00	67.00	57.00	--
10ETF12PBF	910-1470	148.00	106.00	86.00	78.00	--