

Mfrs. List No.	Order Code	1+	25+	100+	250+	+		
200	30	70	325	45	1	TO-220	FCH	◆RURP3020
200	2 x 30	70	325	50	1	TO-247	FCH	◆RURG3020CC
400	2 x 16		100	67	1.3	TO-220AB	ST	◆16CTU04PBF
300	2 x 30		300	55	1.25	TO-247	ST	◆30EPH03PBF
600	4	—	25	42	1.8	TO-220AC	IR	HFA04TB60PBF
600	5	—	30	80	2.3	TO-220F-2L	FCH	FFPF05U60S
600	8	24	60	55	1.7	TO-220AC	IR	HFA08TB60PBF
600	8	24	60	55	2.1	D2-Pak	IR	HFA08TB60SPBF
600	8	16	100	35	2.1	TO-220AC	FCH	RHRP860
600	15	60	150	60	1.7	TO-220AC	IR	◆HFA15TB60PBF
600	15	60	150	19*	1.7	TO-247AC**	IR	◆HFA15PB60PBF
600	15	30	200	40	2.1	TO-220AC	FCH	◆RHRP1560
600	8	24	60	55	1.7	TO-220AB	IR	◆HFA16TA60CPBF
600	8	24	60	18	2.1	TO-247	ST	◆HFA08PB60PBF
600	8	16	100	60	1.5	TO-220	FCH	◆RURP860
600	25	—	225	23	2	TO-247	ST	◆HFA25PB60PBF
600	25	100	225	23*	1.7	TO-247AC	IR	◆HFA50PA60CPBF
600	25	100	225	75	1.7	TO-220AC	IR	◆HFA25TB60PBF
600	30	60	300	65	2.1	TO-247	FCH	◆RHRG3060
600	2 x 15	32	150	60	2.0	TO-220AB	IR	◆HFA30TA60CPBF
600	2 x 15	60	150	60	2	TO-247AC	IR	◆HFA30PA60CPBF
600	30	70	325	40	2.1	TO-220AC	FCH	◆RHRP3060
600	80	160	800	85	1.6	TO-247	FCH	◆RURG8060
1200	5	75	—	95	2.2	TO-220AC	ST	STTA512D
1200	5	—	100	3.5	—	TO-220F-2L	FCH	FFPF05U120STU
1200	6	—	—	26	3	TO-247	ST	HFA06PB120PBF
1200	6	24	80	26	3	TO-220AC	IR	◆HFA06TB120PBF
1200	8	32	130	28	4.3	TO-247AC Modified	ST	◆HFA08PB120PBF
600	8	24	60	*	2.1	TO-247	IR	◆HFA08PB60PBF
1200	8	32	130	28*	3.3	TO-220AC	ST	◆HFA08TB120PBF
1200	8	120	—	100	2.2	TO-220AC	ST	STTA812D
1200	12	180	—	100	2.2	TO-220AC	ST	STTA1212D
1200	16	—	—	30	3	TO-247AC Modified	ST	HFA16PB120PBF
1200	16	32	190	30	3.3	TO-220AC	IR	◆HFA16TB120PBF
1200	30	60	300	75	3.2	TO-247	FCH	◆RHRG30120
1200	30	90	120	135	3.93	TO-247AC	IR	HFA30PB120PBF
1200	75	—	500	85	3.2	TO-247	FCH	RHRG75120

◆Denotes reverse avalanche energy rated ** Denotes 2-pin modified TO-247

211055

Mfrs. List No.	Order Code	1+	25+	100+	250+	1K+
1N4937	984-3663	7.00	4.00	3.00	2.00	--
FFPF05U120STU	105-7673	50.00	36.00	33.00	--	--
HFA04TB60PBF	865-7289	174.00	93.00	75.00	62.00	--
HFA06PB120PBF	101-3357	302.00	217.00	166.00	143.00	--
HFA06TB120PBF	865-7297	382.00	203.00	164.00	127.00	--
HFA08PB120PBF	101-3358	396.00	284.00	217.00	186.00	--
HFA08TB60PBF	910-1446	160.00	115.00	87.00	75.00	--
HFA08TB60SPBF	SMD 910-1454	167.00	120.00	92.00	79.00	--
HFA08PB60PBF	101-3363	196.00	141.00	108.00	92.00	--
HFA08TB120PBF	864-7933	456.00	279.00	221.00	177.00	--
HFA15PB60PBF	910-1390	272.00	195.00	158.00	144.00	--
HFA15TB60PBF	910-1381	210.00	151.00	115.00	99.00	--
HFA16PB120PBF	101-3356	575.00	412.00	312.00	271.00	--
HFA16TA60CPBF	864-7941	394.00	251.00	203.00	156.00	--
HFA16TB120PBF	864-7950	1,023.00	626.00	495.00	400.00	--
HFA25PB60PBF	101-3362	456.00	328.00	250.00	215.00	--
HFA25TB60PBF	865-7300	476.00	253.00	205.00	158.00	--
HFA30PA60CPBF	910-1411	464.00	333.00	254.00	219.00	--
HFA30PB120PBF	910-1438	994.00	694.00	540.00	469.00	--
HFA30TA60CPBF	910-1420	161.00	115.00	94.00	85.00	--
HFA50PA60CPBF	910-1403	821.00	589.00	445.00	386.00	--
HFA200MD40C	393-9420	6,037.00	4,784.00	--	--	--
MUR1520G	955-6990	74.00	56.00	46.00	36.00	--
MUR3020WTPBF	101-3359	164.00	117.00	90.00	77.00	--
RHRG3060	107-6352	214.00	188.00	165.00	139.00	--
RHRG30120	506-990	144.00	126.00	111.00	93.00	--
RHRG30120	984-3914	144.00	126.00	111.00	93.00	--
RHRG75120	984-3736	331.00	264.00	207.00	144.00	--
RHRP860	984-3949	51.00	45.00	40.00	33.00	--
RHRG3060	107-6352	214.00	188.00	165.00	139.00	--
RHRP1560	984-3892	122.00	107.00	94.00	80.00	--
RHRP3060	984-3922	104.00	92.00	81.00	68.00	--
RURG3020CC	984-3906	241.00	212.00	186.00	157.00	--
RURG3060	107-6353	123.00	108.00	95.00	80.00	--
RURG8060	984-3930	431.00	379.00	329.00	280.00	--
RURG8060	984-3930	431.00	379.00	329.00	280.00	--
RURP3020	101-7799	136.00	119.00	104.00	88.00	--
RURP3060	101-7800	90.00	79.00	69.00	58.00	--
RURP860	101-7801	37.00	33.00	29.00	24.00	--
RHRP860	984-3949	51.00	45.00	40.00	33.00	--
RHRP3060	984-3922	104.00	92.00	81.00	68.00	--
RHRP860	984-3949	51.00	45.00	40.00	33.00	--
STTA512D	980-3742	90.00	69.00	56.00	49.00	--
STTA812D	980-3785	146.92	122.61	101.47	72.93	72.93
STTA1212D	980-3661	222.00	170.00	125.00	108.00	--
UG8DT	955-1794	101.00	96.00	83.00	76.00	--
UGB18DCT	SMD 955-1808	123.00	117.00	101.00	92.00	--
16CTU04PBF	101-3355	114.00	76.00	62.00	50.00	--
30EPH03PBF	101-3360	130.00	94.00	71.00	62.00	--

Avalanche Energy Rated

V _{RRM}	I _F (av)	I _{FRM}	I _{FSM}	t _{rr} max.	V _F max.	Package	Mfrs. List No.
V	A	A	A	ns	V		
200	30	70	325	45	1	TO-220	RURP3020
600	8	16	100	18	2.4	TO-220AC	ISL9R860P2
600	8	16	100	77	2.4	TO-220F	ISL9R860PF2
600	8	16	100	18	2.4	TO-263AB	ISL9R860S3ST
600	30	60	300	65	2.1	TO-247	RHRG3060
600	30	70	325	55	1.5	TO-220	RURP3060
600	8	16	100	60	1.5	TO-220	RURP860
600	30	70	325	60	1.5	TO-247(2-Pin)	RURG3060
1200	5	—	30	100	3.5	TO-220F-2L	FFPF05U120STU

422890

Mfrs. List No.	Order Code	1+	25+	100+	250+	+
FFPF05U120STU	105-7673	50.00	36.00	33.00	--	--
ISL9R860P2	NEW 109-5128	71.00	54.00	45.00	32.00	--
ISL9R860PF2	NEW 109-5129	77.00	58.00	49.00	34.00	--
ISL9R860S3ST	NEW 109-5130	132.00	99.00	82.00	58.00	--
RHRG3060	107-6352	214.00	188.00	165.00	139.00	--
RURP3020	101-7799	136.00	119.00	104.00	88.00	--
RURP3060	101-7800	90.00	79.00	69.00	58.00	--
RURP860	101-7801	37.00	33.00	29.00	24.00	--
RURG3060	107-6353	123.00	108.00	95.00	80.00	--

Power Diodes - Controlled Avalanche

Controlled Avalanche



SOD-57

Controlled avalanche diodes snub repetitive reverse voltage spikes between specified voltage limits – a common problem in switch mode power supplies, telephony, TV and monitor deflection circuits and other inductive switching circuits.

I _F	V _{RRM}	V _(BR) R	V _F	I _F	Package	Mfr.	Mfrs. List No.
av	max.	min.	max.	@			
A	V	V	V	A			
2	1000	—	0.1	1	SOD-57	TFK	BYW56-TAP

211213

Mfrs. List no.	Mfr.	Order code	5+	25+	100+	250+
BYW56-TAP	TFK	SMD 107-5758	15.00	12.00	10.00	--

Power Diodes - Schottky

FlipKY™ - 3 pin



- Ultra low V_F to footprint area
- Very low profile (less than 0.6mm)
- Low thermal resistance



International Rectifier's FlipKY product family utilizes wafer level chip scale packaging to deliver Schottky diodes with the lowest V_F to PCB footprint area in industry.

The three pad 0.9mm x 1.2mm devices can deliver up to 0.5A and occupy only 1.08mm² of board space.

The anode and cathode connections are made through solder bump pads on one side of the silicon rather than through protruding leads enabling designers to strategically place the diodes on the PCB.

This design not only minimizes board space but also reduces thermal resistance and inductance, which can improve overall circuit efficiency.

Typical applications include hand-held, portable equipment such as cell phones, MP3 players, PDAs, and portable hard disk drives where space savings and performance are crucial.

V _{RRM}	I _{F(AV)}	t _p = 5 μs	I _{FSM}	V _F	Device	Mfrs. List No.	Order Code
V	A	μs	A	0.5A _{pk}	Marking		
				V			
30	0.5	190	0.33	0.33	IR53****	IR0530CSPTPBF	101-4653
40	0.5	190	0.42	0.42	IR54****	IR0540CSPTPBF	101-4652

**** = Lot Number, x = Measured using a rectangular waveform

419310

Mfrs. List No.	Order Code	1+	25+	100+	250+	+
IR0540CSPTPBF	101-4652	22.00	16.00	12.00	10.00	--
IR0530CSPTPBF	101-4653	22.00	16.00	12.00	10.00	--

Flipky™ - 4 pin



- Ultra low V_F per footprint area
- Super low profile (less than 0.8 mm)
- One-fifth footprint of SMA
- Low thermal resistance



H=1.524, W=1.524, D=0.537

The IR140CPS surface-mount Schottky rectifier has been designed for applications requiring low forward drop and very small foot prints on PC boards.

Typical applications are in disk drives, switching power supplies, converters, free-wheeling diodes, battery charging, and reverse battery protection.

Semiconductors - Discretes

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Compliant Non-compliant Limited stock - RoHS replacement available

RoHS