

150V High Voltage, Isolated TO-220



V_{RRM} V	I_F (av) A	I_{FSM} A	V_F V	@ V	I_F A	Mfrs. List No.
150	20	150	0.9		10	YG865C15R
150	30	225	0.9		15	YG868C15R

Mfrs. List No.	Order Code	1+	25+	100+	250+
YG865C15R	508-7053	133.00	103.00	81.00	74.00
YG868C15R	508-7065	170.00	133.00	103.00	94.00

Power Modules



HALF-PAK (TO-249AA)
H=15.11 (excl. terminals),
W=39.62, D=19.69,
Mounting holes=4.11 dia.,
Fixing centres=30.4

I_F (av) A	V_{rrm} V	I_{fsm} A	V_f V	E_{as} mJ	Package	Mfrs. List No.
80	15	5200	0.36*	9	D61-8	85CNQ015A
80	45	5800	0.52	54	D61-8	80CNQ045A
80	100	7000	0.81	15	D61-8	83CNQ100A
120	40	29000	0.52	81	HALF-Pak	120NQ040
120	45	29000	0.52	81	HALF-Pak	120NQ045
120	45	29000	0.52	81	HALF-Pak	120NQ045R
120	80	16000	0.91	15	HALF-Pak	123NQ080
120	90	16000	0.91	15	HALF-Pak	123NQ090
120	100	16000	0.91	15	HALF-Pak	123NQ100
160	100	9000	0.98	15	TO-249AA	163CMQ100
200	45	26000	0.54	135	TO-244AB	200CNQ045
200	60	16000	0.68	15	TO-244AB	208CMQ060
200	60	16000	0.68	15	TO-244AB	208CNQ060
200	80	16000	0.86	15	TO-244AB	203CMQ080
200	80	16000	0.86	15	TO-244AB	203CNQ080
200	90	16000	0.86	15	TO-244AB	203CNQ090
200	100	16000	0.86	15	TO-244AB	203CNQ100
200	100	16000	0.86	15	TO-244AB	203DNQ100
200	100	16000	0.86	15	TO-244AB	203DMQ100
200	100	16000	0.86	15	TO-244AB	203CNQ100
200	100	16000	0.86	15	TO-244AB	203CNQ100R
200	100	16000	0.86	15	TO-244AB	203CMQ100R
200	100	16000	0.86	15	TO-244AB	203CMQ100
200	135	10000	1.03	15	TO-244AB	209CNQ135
240	15	20000	0.4	—	HALF-Pak	245NQ015
240	45	26000	0.61	324	HALF-Pak	240NQ045
400	45	25000	0.67	270	TO-244AB	401CNQ045
400	100	25500	0.83	15	TO-244AB	403CNQ100

Mfrs. List No.	Order Code	1+	25+	100+
80CNQ045A	394-0044	1,051.00	733.00	606.00
80CNQ045APBF	NEW 910-1110	1,051.00	733.00	570.00
81CNQ045APBF	NEW 910-1128	1,026.00	716.00	592.00
83CNQ100A	396-6124	947.00	661.00	578.00
83CNQ100APBF	NEW 910-1098	947.00	661.00	514.00
85CNQ015A	996-490	1,018.00	720.00	—
85CNQ015APBF	NEW 910-1101	1,114.00	778.00	604.00
120NQ040	394-1565	915.00	647.00	—
120NQ045	260-861	1,331.00	928.00	753.00
120NQ045R	394-1577	1,430.00	1,035.00	798.00
123NQ080	393-9984	930.00	699.00	—
123NQ090	394-1589	1,307.00	970.00	—
123NQ100	393-9996	1,360.00	1,005.00	804.00
163CMQ100	394-0007	1,631.00	1,226.00	—
203CMQ080	315-6620	2,214.00	1,707.00	—
203CMQ100	394-1590	2,491.00	1,920.00	—
203CMQ100R	394-1607	2,659.00	1,696.00	1,615.00
200CNQ045	394-0019	2,268.00	1,624.00	1,342.00
203CNQ080	394-1619	2,517.00	1,940.00	—
203CNQ090	394-1620	2,674.00	1,604.00	1,336.00
203CNQ100	394-0020	2,553.00	1,852.00	1,560.00
203CNQ100R	315-6631	2,003.00	1,593.00	—
203DMQ100	394-1632	2,527.00	1,948.00	—
203DNQ100	394-1644	1,976.00	1,461.00	—
208CMQ060	394-1656	2,225.00	1,738.00	1,504.00
208CNQ060	394-1668	2,700.00	1,933.00	1,804.00

Mfrs. List No.	Order Code	1+	25+	100+
209CNQ135	394-1670	1,531.00	—	—
240NQ045	260-903	1,631.00	1,190.00	965.00
245NQ015	165-980	1,633.00	1,174.00	936.00
401CNQ045	166-029	2,656.00	2,168.00	—
403CNQ100	394-0032	2,939.00	2,266.00	—

Single Phase Bridge Rectifiers

1.2A



$I_0 = 1.2A$ dc max @ $T_a = 45^\circ C$
0.68A dc max @ $T_a = 100^\circ C$
 $I_{FSM} = 50A$

V_{RRM} V	Max. ac Input Voltage	Mfrs. List No.	Order Code	1+	25+	100+
50	20	1KAB05E	394-0585	44.00	35.00	28.00
100	40	1KAB10E	371-208	44.00	32.00	27.00
100	40	1KAB10EPBF	NEW 909-8224	48.00	34.00	26.00
200	80	1KAB20E	371-210	44.00	32.00	27.00
200	80	1KAB20EPBF	NEW 909-8232	48.00	34.00	26.00
400	160	1KAB40E	371-221	44.00	32.00	27.00
400	160	1KAB40EPBF	NEW 909-8240	48.00	34.00	26.00
600	240	1KAB60E	371-233	59.00	—	—
600	240	1KAB60EPBF	NEW 909-8259	108.00	78.00	59.00
800	320	1KAB80E	371-245	52.00	31.00	—
800	320	1KAB80EPBF	NEW 909-8267	55.00	39.00	31.00
1000	400	1KAB100E	371-257	96.00	54.00	37.00
1000	400	1KAB100EPBF	NEW 909-8216	55.00	39.00	31.00

4A to 8A



I_0 @ 40°C A	I_{FSM} A	Mfr.	Series	Body		
				H	W	D
4	200	MC/TS	KBU4...(G)	19.3	23.7	7.2
4	150	GS/MC	GBU4...	18.8	22.3	3.56
6	175	GS/MC	GBU6...	18.8	22.3	3.56
6	200	TS	KBU6...	19.3	23.7	7.2
8	200	GS/MC	GBU8...	18.8	22.3	3.56

Glass passivated devices offer greater reliability at higher operating temperatures and improved moisture resistance capability. UL Recognised.

V_{RRM} V	Max. ac Input Voltage	Mfrs. List No.	Order Code	5+	100+	500+	1K+
4A Series							
100	70	KBU4B.	330-7232	114.00	93.00	80.00	48.00
100	70	KBU4B	938-0973	114.00	93.00	80.00	48.00
100	70	KBU402	NEW 727-7881	195.00	98.00	66.00	54.00
600	420	KBU4J.	330-7268	140.00	113.00	93.00	56.00
600	420	KBU4J	938-1007	140.00	113.00	93.00	56.00
600	420	KBU405	NEW 727-7890	155.00	121.00	100.00	65.00
800	560	KBU4K.	330-7281	164.00	137.00	115.00	73.00
800	560	KBU4K	938-1015	164.00	137.00	115.00	73.00
800	560	KBU406	NEW 727-7903	139.00	123.00	112.00	82.00
4A Series, Glass Passivated							
100	70	GBU4B. (GS)	234-163	64.00	52.00	42.00	32.00
100	70	GBU4B (GS)	954-9439	64.00	52.00	42.00	32.00
100	70	GBU4B. (MC)	330-7244	128.00	104.00	86.00	54.00
100	70	GBU4B (MC)	938-0981	128.00	104.00	86.00	54.00
200	140	GBU4D. (GS)	234-175	64.00	52.00	42.00	32.00
200	140	GBU4D (GS)	954-9447	64.00	52.00	42.00	32.00
200	140	GBU4D. (MC)	330-7256	136.00	112.00	90.00	55.00
200	140	GBU4D (MC)	938-0990	136.00	112.00	90.00	55.00
400	280	GBU4G..	433-202	73.00	60.00	48.00	37.00
600	420	GBU4J. (GS)	234-187	64.00	52.00	42.00	34.00
600	420	GBU4J (GS)	954-9455	64.00	52.00	42.00	32.00
800	560	GBU4K. (GS)	234-199	64.00	52.00	42.00	32.00
800	560	GBU4K (GS)	954-9463	64.00	52.00	42.00	32.00
800	560	GBU4K. (MC)	330-7293	62.00	54.00	44.00	32.00
800	560	GBU4K (MC)	938-1023	62.00	54.00	44.00	32.00
1000	700	GBU4M.	234-205	64.00	52.00	42.00	32.00
1000	700	GBU4M	954-9471	64.00	52.00	42.00	32.00
6A Series							
200	140	KBU6D.	330-7311	142.00	115.00	92.00	58.00
200	140	KBU6D	938-1040	142.00	115.00	92.00	58.00
200	140	KBU603	NEW 727-7911	150.00	102.00	93.00	75.00
6A Series, Glass Passivated							
100	70	GBU6B. (GS)	234-217	92.00	75.00	60.00	51.00
100	70	GBU6B (GS)	954-9480	92.00	75.00	60.00	46.00
100	70	GBU6B. (MC)	330-7300	168.00	138.00	113.00	69.00
100	70	GBU6B (MC)	938-1031	168.00	138.00	113.00	69.00
200	140	GBU6D.	234-229	92.00	75.00	60.00	48.00

Semiconductors - Discretes

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Compliant
Non-compliant
+ Limited stock - RoHS replacement available

RoHS