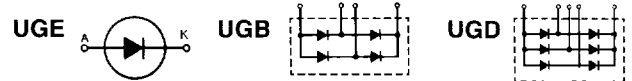


1~ / 3~ High Voltage Rectifier Modules

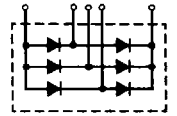


Type	V_{RRM} V	V_{VRMS} V	I_{dAV} ① / ② A	I_{FSM} 45°C 10 ms A	V_{TO} V	r_T mΩ	T_{VJM} °C	R_{thJA1} ① K/W	R_{thJA2} ② K/W	Package style
UGE 0421 AY4	3200	1125	23/7.4	300	1.7	16	150	1.9	7.1	See outlines on page 43 Fig. 42 Weight = 130 g
UGE 0221 AY4	4800	1750	10/3.8	180	2.55	90	150	1.7	8.0	
UGE 1112 AY4	8000	3000	4.2/2.0	120	4.25	215	150	4.2	10.0	
UGE 3126 AY4	24000	9000	2.0/0.8	70	12	1800	150	2.7	8.7	
UGB 3132 AD	4800	2250	1.3	60	-	-	150	-	-	Fig. 44a Weight = 150 g Fig. 44b Weight = 300 g Fig. 44b Weight = 300 g Fig. 44b Weight = 300 g
UGB 6124 AG	10500	5000	1.0	50	-	-	150	-	-	
UGD 6123 AG	7200	3300	1.8	50	-	-	150	-	-	
UGD 8124 AG	10500	5000	1.2	50	-	-	150	-	-	

① for oil-cooling with cooling plate. $T_a = 35^\circ\text{C}$ ② for natural air cooling without cooling plate. $T_a = 45^\circ\text{C}$.
Data according to DIN / IEC 747-2/6

A = Anode
C = Cathode

3~ Rectifier Bridges, B6U



Type	V_{RRM} V	V_{VRMS} V	I_{dAV} A	T_c °C	I_{FSM} 45°C 10 ms A	V_{TO} V	r_T mΩ	T_{VJM} °C	R_{thJC} per Chip Module K/W	R_{thJK} per Chip Module K/W	Fig. No.	Package style
VUO 16-08NO1	800	250	15	$T_k = 90^\circ\text{C}$	100	0.8	50	130	-	$\frac{4.5}{0.75}$ (120° sine)	46	See outlines on page 43 Fig. 46 Weight = 35 g
VUO 16-12NO1	1200	400										
VUO 16-14NO1	1400	440										
VUO 16-16NO1	1600	500										
VUO 16-18NO1	1800	575										
VUO 22-08NO1	800	250	22	$T_k = 90^\circ\text{C}$	100	0.8	40	130	-	$\frac{3.1}{0.516}$ (120° sine)	43	Fig. 43 Weight = 22 g
VUO 22-12NO1	1200	400										
VUO 22-14NO1	1400	440										
VUO 22-16NO1	1600	500										
VUO 22-18NO1	1800	575										
VUO 25-12NO7	1200	400	25	63	400	0.85	12	150	$\frac{9.3}{1.55}$	$\frac{10.2}{1.7}$	43	Fig. 43 Weight = 22 g
VUO 25-14NO7	1400	440										
VUO 25-16NO7	1600	500										
VUO 25-18NO7	1800	575										
VUO 36-12NO7	1200	400	35	62	550	0.8	7.4	150	$\frac{7.5}{1.25}$	$\frac{8.4}{1.4}$	46	Fig. 45 Weight = 50 g
VUO 36-14NO7	1400	440										
VUO 36-16NO7	1600	500										
VUO 36-18NO7	1800	575										
VUO 34-08NC1	800	250	36	$T_k = 90^\circ\text{C}$	300	0.8	15	130	-	$\frac{2.5}{0.42}$ (120° sine)	46	Fig. 45 Weight = 50 g
VUO 34-12NC1	1200	400										
VUO 34-14NC1	1400	440										
VUO 34-16NC1	1600	500										
VUO 34-18NC1	1800	575										
VUO 30-08NC3	800	250	37	85	300	0.9	11	125	$\frac{2.4}{0.4}$	$\frac{3.0}{0.5}$	45	Fig. 47 Weight = 135 g
VUO 30-12NC3	1200	400										
VUO 30-14NC3	1400	440										
VUO 30-16NC3	1600	500										
VUO 30-18NC3	1800	575										
VUO 35-12NC7	1200	400	38	85	400	0.85	12	150	$\frac{4.2}{0.7}$	$\frac{4.8}{0.8}$	47	Fig. 47 Weight = 135 g
VUO 35-14NC7	1400	440										
VUO 35-16NC7	1600	500										
VUO 35-18NC7	1800	575										
VUO 52-08NC1	800	250	54	$T_k = 90^\circ\text{C}$	300	0.8	12.5	130	-	$\frac{1.5}{0.25}$ (120° sine)	46	Fig. 47 Weight = 135 g
VUO 52-12NC1	1200	400										
VUO 52-14NC1	1400	440										
VUO 52-16NC1	1600	500										
VUO 50-08NC3	800	250	58	85	500	0.9	6	125	$\frac{1.62}{0.27}$	$\frac{2.22}{0.37}$	45	Fig. 47 Weight = 135 g
VUO 50-12NC3	1200	400										
VUO 50-14NC3	1400	440										
VUO 50-16NC3	1600	500										
VUO 50-18NC3	1800	575										

Data according to DIN / IEC 747