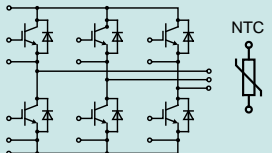
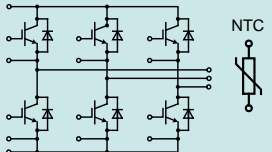


# IGBT Modules – Six-Pack configuration

<b>Six-Pack</b> IGBT Modules		<b>X111 E1-Pack</b> Package style Outline drawings on pages O-30...O-52 See data sheet for pin arrangement								
Type	$V_{CES}$	$I_{C25}$ IGBT $T_C = 25^\circ\text{C}$	$I_{C80}$ IGBT $T_C = 80^\circ\text{C}$	$V_{CE(sat)}$ typ IGBT $T_J = 25^\circ\text{C}$	$E_{off}$ IGBT $T_J = 125^\circ\text{C}$	$R_{thJC}$ IGBT	$I_{F25}$ diode $T_C = 25^\circ\text{C}$	$I_{F80}$ diode $T_C = 80^\circ\text{C}$	NTC	
➤ New	V	A	A	V	mJ	K/W	A	A		
<b>600 V PT IGBT</b>										
MWI 60-06G6K	600	60	41	2.3	0.5	0.7	48	33	•	
<b>1200 V NPT IGBT</b>										
MWI 15-12A6K	1200	19	13	3.0	1.1	1.37	24	16	•	
<b>1200 V NPT<sup>3</sup> IGBT</b>										
MWI 30-12E6K	1200	29	21	2.5	1.8	0.95	24	16	•	
MWI 50-12E6K		51	36	2.4	2.6	0.60	49	32	•	
<b>1200 V Trench IGBT</b>										
MWI 45-12T6K	1200	43	31	1.9	3.4	0.80	49	32	•	
MWI 60-12T6K		58	41	1.9	4.8	0.62	49	32	•	
MWI 80-12T6K		80	56	2.0	6.5	0.46	80	51	•	

<b>Six-Pack</b> IGBT Modules		<b>X112 E2-Pack</b> Package style Outline drawings on pages O-30...O-52 See data sheet for pin arrangement								
Type	$V_{CES}$	$I_{C25}$ IGBT $T_C = 25^\circ\text{C}$	$I_{C80}$ IGBT $T_C = 80^\circ\text{C}$	$V_{CE(sat)}$ typ IGBT $T_J = 25^\circ\text{C}$	$E_{off}$ IGBT $T_J = 125^\circ\text{C}$	$R_{thJC}$ IGBT	$I_{F25}$ diode $T_C = 25^\circ\text{C}$	$I_{F80}$ diode $T_C = 80^\circ\text{C}$	NTC	
➤ New	V	A	A	V	mJ	K/W	A	A		
<b>600 V NPT IGBT</b>										
MWI 30-06A7	600	45	30	1.9	1.0	0.88	36	24		
MWI 30-06A7T		45	30	1.9	1.0	0.88	36	24	•	
MWI 50-06A7		75	50	1.9	1.7	0.55	72	45		
MWI 50-06A7T		75	50	1.9	1.7	0.55	72	45	•	
MWI 75-06A7		90	60	2.1	2.5	0.44	140	85		
MWI 75-06A7T		90	60	2.1	2.5	0.44	140	85	•	
<b>1200 V NPT IGBT</b>										
MWI 15-12A7	1200	30	20	1.0	1.8	0.88	25	17		
MWI 25-12A7		50	35	2.2	2.8	0.55	50	33		
MWI 25-12A7T		50	35	2.2	2.8	0.55	50	33	•	
MWI 35-12A7		62	44	2.2	4.2	0.44	50	33		
MWI 35-12A7T		62	44	2.2	4.2	0.44	50	33	•	
MWI 50-12A7		85	60	2.2	5.6	0.35	110	70		
MWI 50-12A7T		85	60	2.2	5.6	0.35	110	70	•	
<b>1200 V NPT<sup>3</sup> IGBT</b>										
MWI 25-12E7	1200	52	36	1.9	2.5	0.55	50	33		
MWI 50-12E7		90	62	2.1	4.0	0.35	110	70		
<b>1200 V Trench IGBT</b>										
➤ MWI 35-12T7T	1200	60	35	1.7	4.1	0.62	50	33	•	
MWI 50-12T7T		75	50	1.7	6.5	0.49	110	70	•	
MWI 75-12T7T		105	75	1.7	9.5	0.35	150	100	•	
<b>1200 V XPT IGBT</b>										
➤ MIXA40W1200TED	1200	55	40	1.8	4.4	0.64	44	29	•	
➤ MIXA60W1200TED		85	59	1.8	6.0	0.43	88	59	•	