

Rev.B Oct.-2025

TO-247

Insulated-Gate Bipolar Transistor in a TO-247 Plastic Package

650V 75A

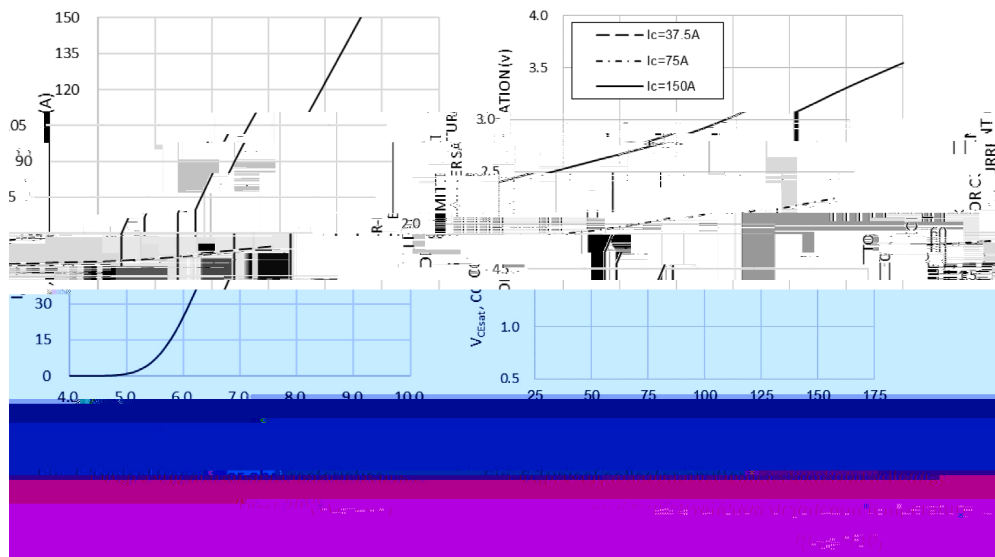
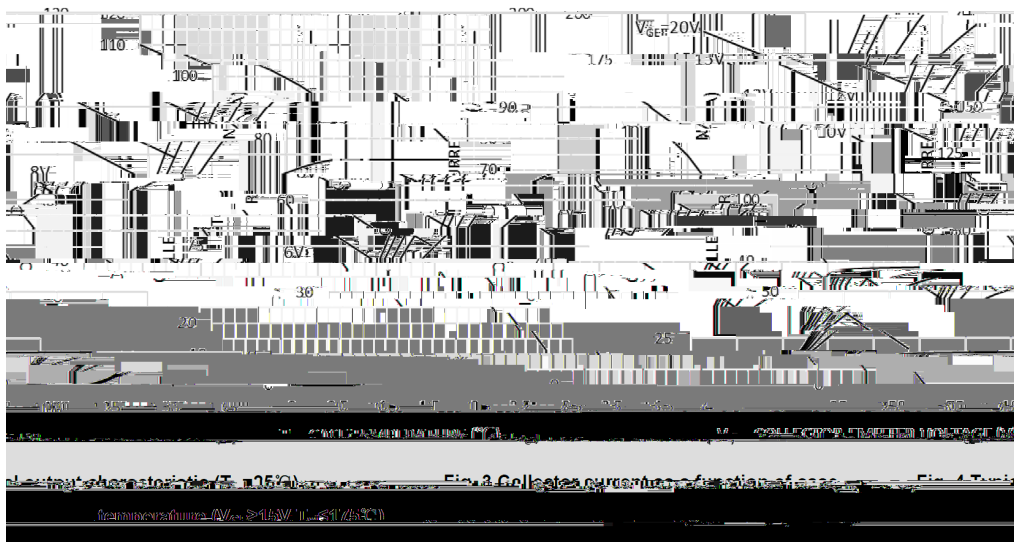
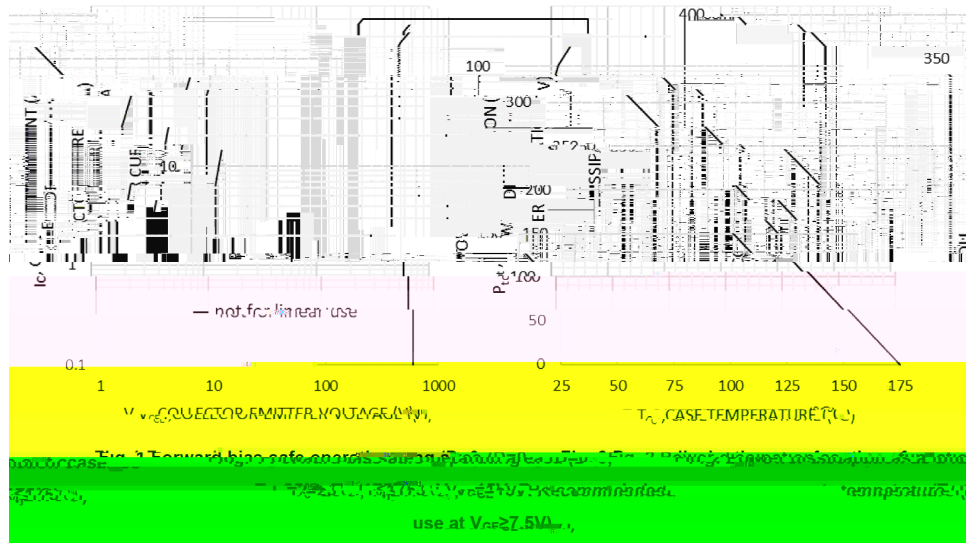
$V_{CE(SAT)} = 1.80V(\text{typ.}) @ V_{GE} = 15V, I_C = 75A$

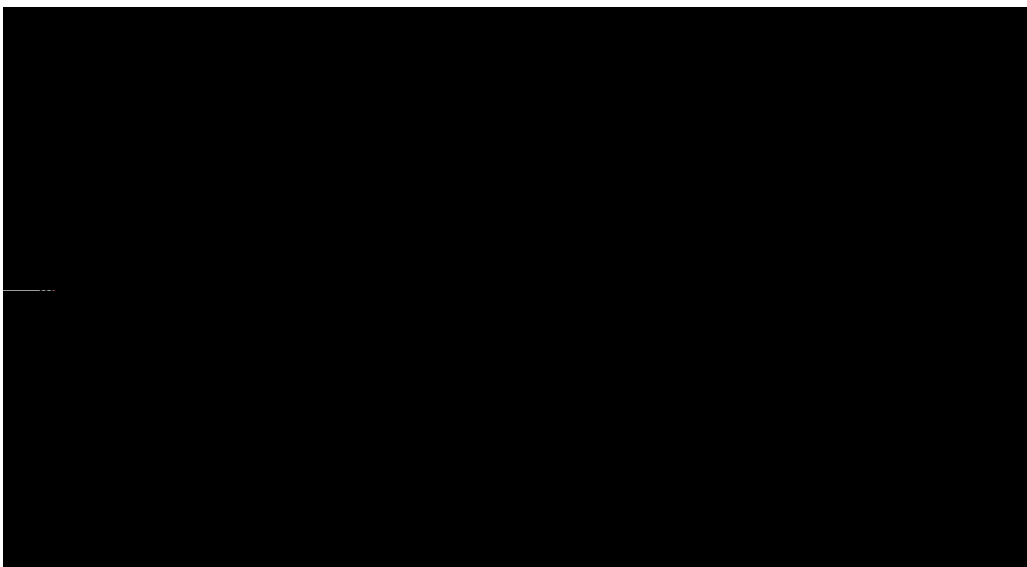
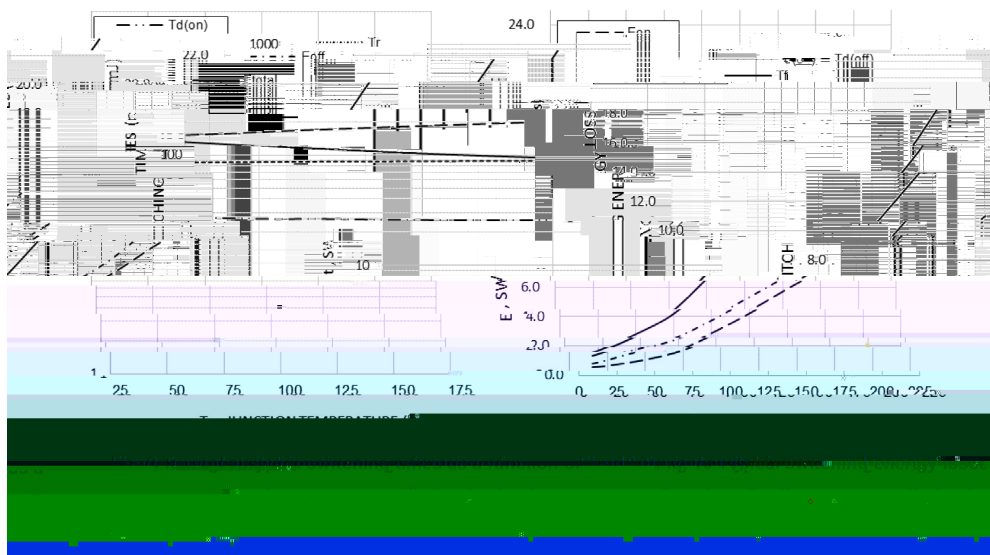
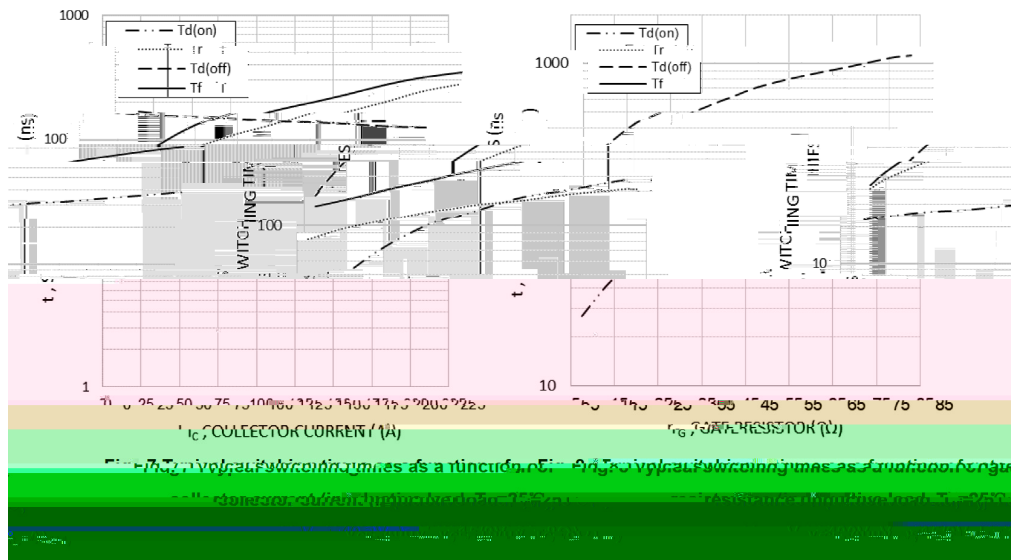
Solar Converters, Uninterrupted Power Supply, Welding Converters, 9

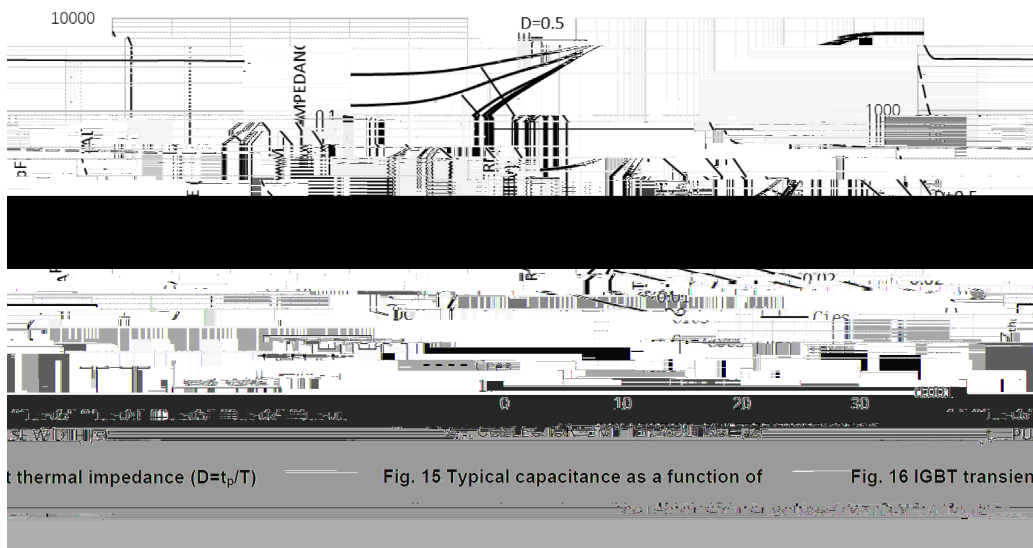
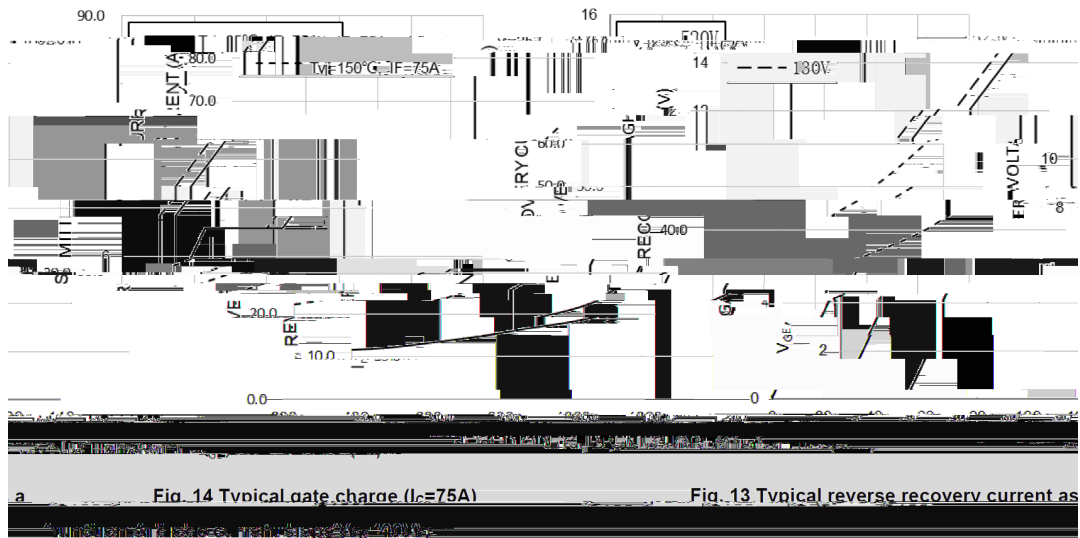
9

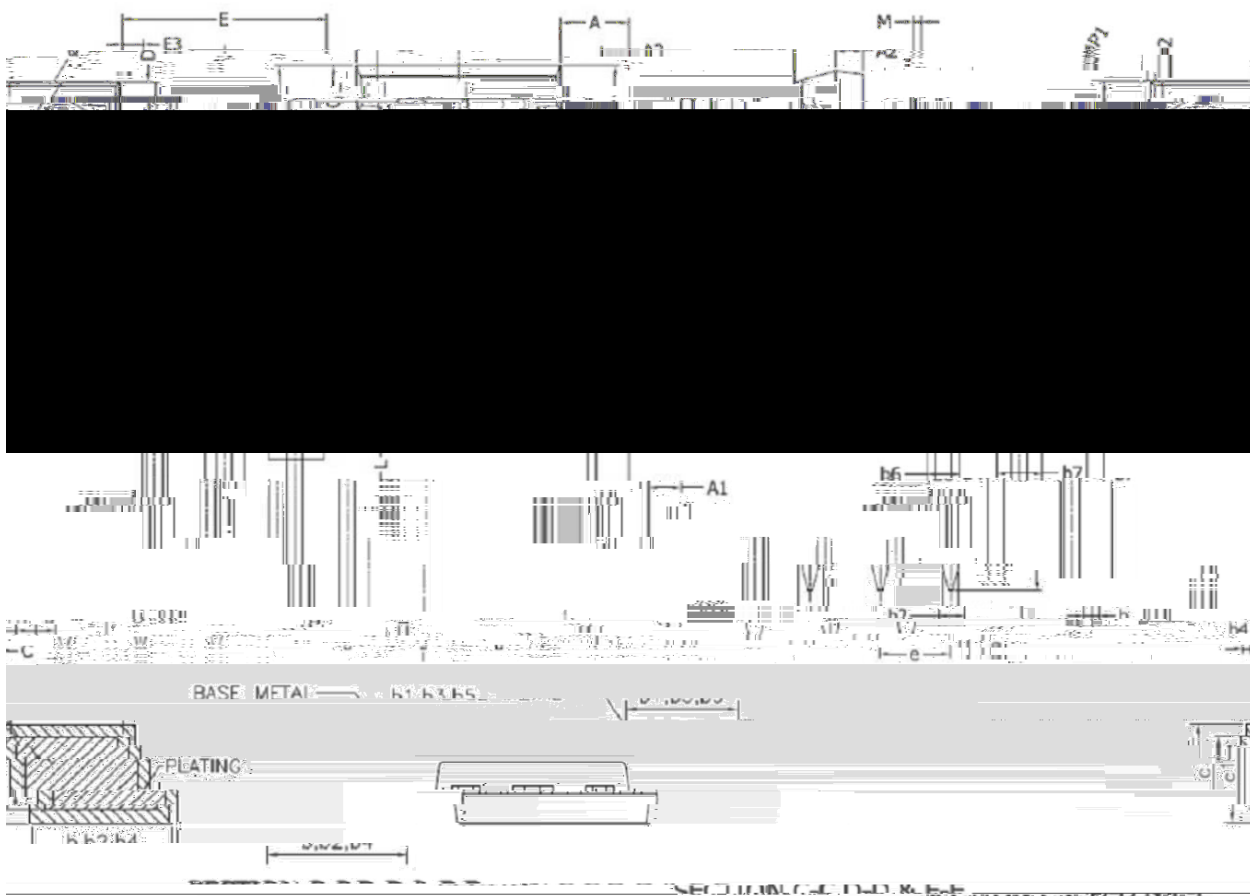
Parameter	Symbol	Rating	Unit
Collector-Emitter Voltage	V_{CES}	650	V
Gate-Emitter Voltage	V		

Parameter	Symbol	Test Conditions	Min
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Symbol	Dimensions In Millimeters			Symbol	Dimensions In Millimeters		
	MIN.	NOM.	MAX.		MIN.	NOM.	MAX.
A	4.90	5.00	5.10	E	15.70	15.80	15.90
A1	2.31	2.41	2.51	E1	13.10	13.30	13.50
A2	1.90	2.00	2.10	E2	4.40	4.50	4.60
M	1.00	1.10	1.15	LAMP1	1.00	1.10	1.15
LAMP2	1.00	1.10	1.15	LAMP3	1.00	1.10	1.15
LAMP4	1.00	1.10	1.15	LAMP5	1.00	1.10	1.15
LAMP6	1.00	1.10	1.15	LAMP7	1.00	1.10	1.15
LAMP8	1.00	1.10	1.15	LAMP9	1.00	1.10	1.15
LAMP10	1.00	1.10	1.15	LAMP11	1.00	1.10	1.15
LAMP12	1.00	1.10	1.15	LAMP13	1.00	1.10	1.15
LAMP14	1.00	1.10	1.15	LAMP15	1.00	1.10	1.15
LAMP16	1.00	1.10	1.15	LAMP17	1.00	1.10	1.15
LAMP18	1.00	1.10	1.15	LAMP19	1.00	1.10	1.15
LAMP20	1.00	1.10	1.15	LAMP21	1.00	1.10	1.15
LAMP22	1.00	1.10	1.15	LAMP23	1.00	1.10	1.15
LAMP24	1.00	1.10	1.15	LAMP25	1.00	1.10	1.15
LAMP26	1.00	1.10	1.15	LAMP27	1.00	1.10	1.15
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LAMP36	1.00	1.10	1.15	LAMP37	1.00	1.10	1.15
LAMP38	1.00	1.10	1.15	LAMP39	1.00	1.10	1.15
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LAMP42	1.00	1.10	1.15	LAMP43	1.00	1.10	1.15
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LAMP48	1.00	1.10	1.15	LAMP49	1.00	1.10	1.15
LAMP50	1.00	1.10	1.15	LAMP51	1.00	1.10	1.15
LAMP52	1.00	1.10	1.15	LAMP53	1.00	1.10	1.15
LAMP54	1.00	1.10	1.15	LAMP55	1.00	1.10	1.15
LAMP56	1.00	1.10	1.15	LAMP57	1.00	1.10	1.15
LAMP58	1.00	1.10	1.15	LAMP59	1.00	1.10	1.15
LAMP60	1.00	1.10	1.15	LAMP61	1.00	1.10	1.15
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LAMP64	1.00	1.10	1.15	LAMP65	1.00	1.10	1.15
LAMP66	1.00	1.10	1.15	LAMP67	1.00	1.10	1.15
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LAMP204	1.00	1.10	1.15	LAMP205	1.00	1.10	1.15
LAMP206	1.00	1.10	1.15	LAMP207	1.00	1.10	1.15
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LAMP246	1.00	1.10	1.15	LAMP247	1.00	1.10	1.15
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LAMP262	1.00	1.10	1.15	LAMP263	1.00	1.10	1.15
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LAMP268	1.00	1.10	1.15	LAMP269	1.00	1.10	1.15
LAMP270	1.00	1.10	1.15	LAMP271	1.00	1.10	1.15
LAMP272	1.00	1.10	1.15	LAMP273	1.00	1.10	1.15
LAMP274	1.00	1.10	1.15	LAMP275	1.00	1.10	1.15
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LAMP280	1.00	1.10	1.15	LAMP281	1.00	1.10	1.15
LAMP282	1.00	1.10	1.15	LAMP283	1.00	1.10	1.15
LAMP284	1.00	1.10	1.15	LAMP285	1.00	1.10	1.15
LAMP286	1.00	1.10	1.15	LAMP287	1.00	1.10	1.15
LAMP288	1.00	1.10	1.15	LAMP289	1.00	1.10	1.15
LAMP290	1.00	1.10	1.15	LAMP291	1.00	1.10	1.15
LAMP292	1.00	1.10	1.15	LAMP293	1.00	1.10	1.15
LAMP294	1.00	1.10	1.15	LAMP295	1.00	1.10	1.15
LAMP296	1.00	1.10	1.15	LAMP297	1.00	1.10	1.15
LAMP298	1.00	1.10	1.15	LAMP299	1.00	1.10	1.15
LAMP300	1.00	1.10	1.15	LAMP301	1.00	1.10	1.15
LAMP302	1.00	1.10	1.15	LAMP303	1.00	1.10	1.15
LAMP304	1.00	1.10	1.15	LAMP305	1.00	1.10	1.15
LAMP306	1.00	1.10	1.15	LAMP307	1.00	1.10	1.15
LAMP308	1.00	1.10	1.15	LAMP309	1.00	1.10	1.15</

1	25	150%	60	90sec;	Note:	1.Preheating:25~150%, Time:60~90sec.
2	255	± 5%	5	± 0.5sec;		2.Peak Temp.:255 ± 5%, Duration:5 ± 0.5sec.
3			2	10%/sec.		3. Cooling Speed: 2~10%/sec.

270 ± 5%	10 ± 1 sec.	Temp.:270±5	Time:10±1 sec
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/ TUBE

Package Type	Units	Dimension	(unit mm³)
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