



JMH65R110ACFD
JMH65R110AEFD

650V SuperJunction Power MOSFET

Features

Product Summary

Parameter	Value	Unit
		Ω

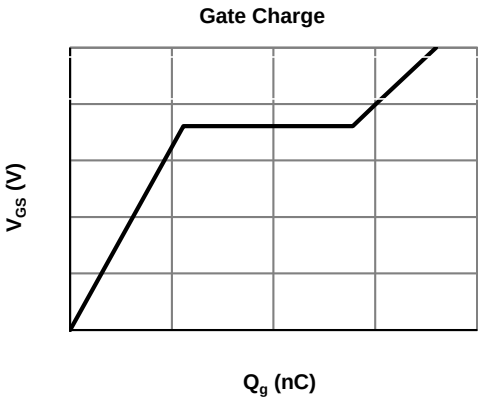
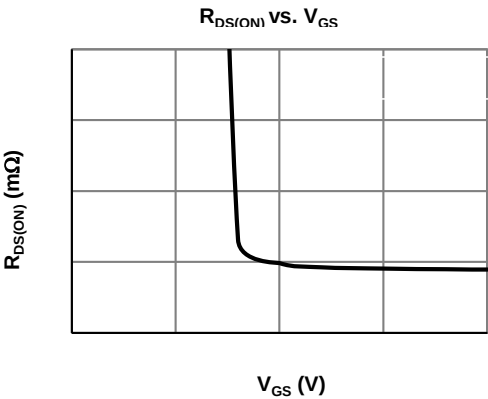


Ordering Information

Device							

Absolute Maximum Ratings

Parameter			Value	
		GS		V
		IDM		A
		IAS		A
		EAS		mJ
		TJ, TSTG		°C



Electrical Characteristics

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
STATIC PARAMETERS						
		μ				μ
		μ				Ω
						Ω

DYNAMIC PARAMETERS ⁽⁵⁾

						Ω
SWITCHING PARAMETERS ⁽⁵⁾						

Parameter	Symbol	Unit
	θ	
	θ	

Notes:

Typical Electrical & Thermal Characteristics

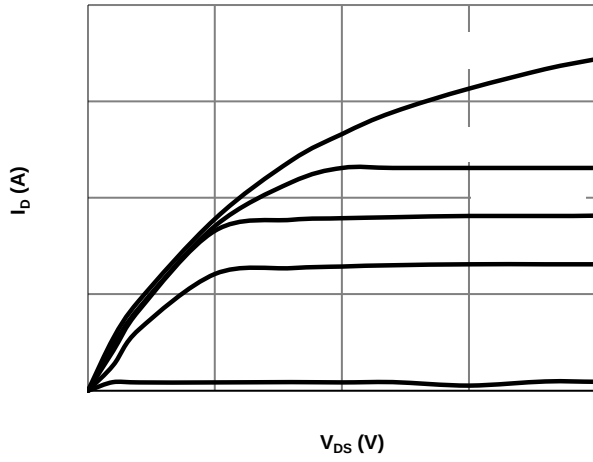


Figure 1: Saturation Characteristics

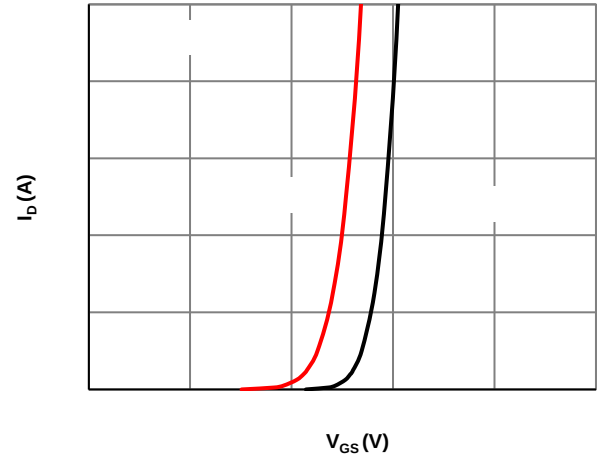


Figure 2: Transfer Characteristics

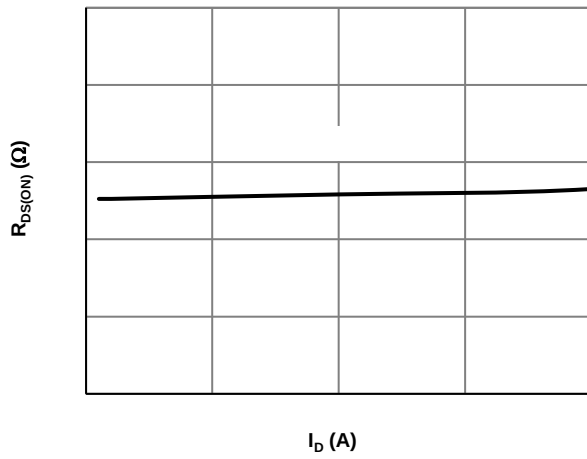


Figure 3: $R_{DS(ON)}$ vs. Drain Current

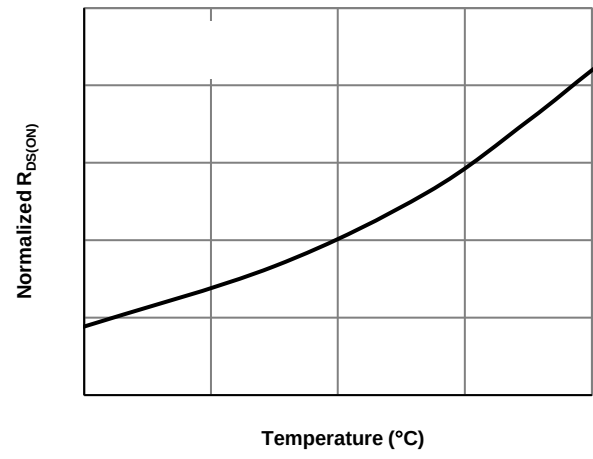


Figure 4: $R_{DS(ON)}$ vs. Junction Temperature

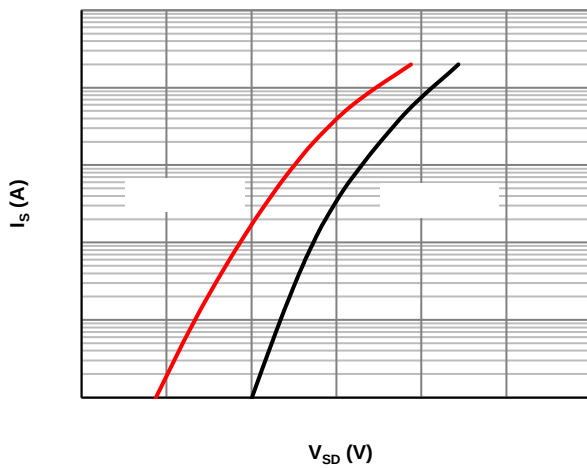


Figure 5: Body-Diode Characteristics

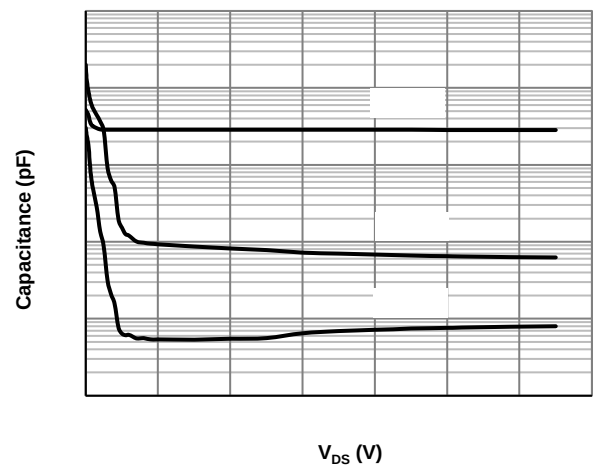


Figure 6: Capacitance Characteristics

Typical Electrical & Thermal Characteristics

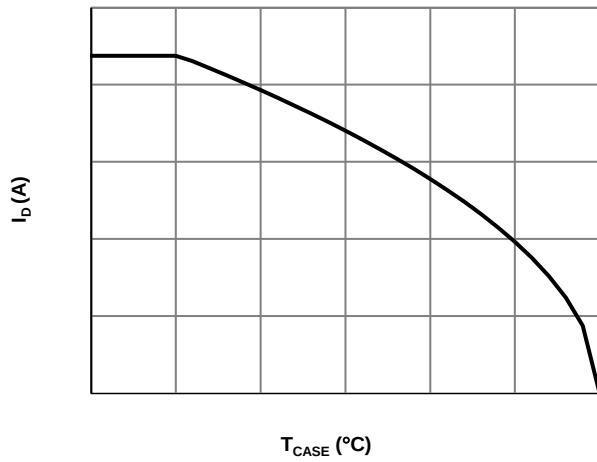


Figure 7: Current De-rating

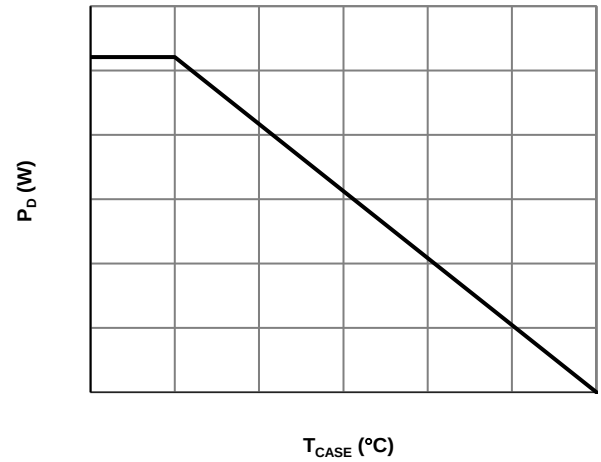


Figure 8: Power De-rating

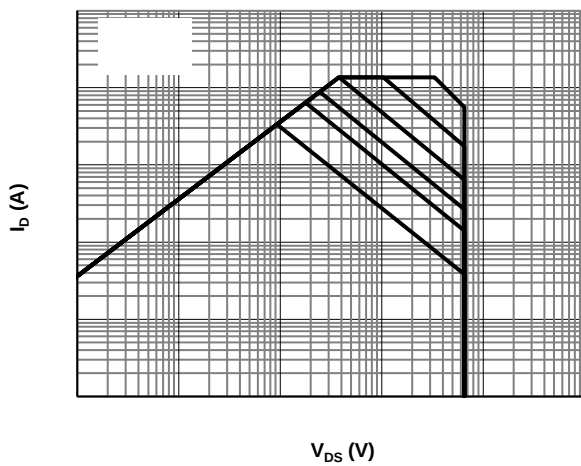
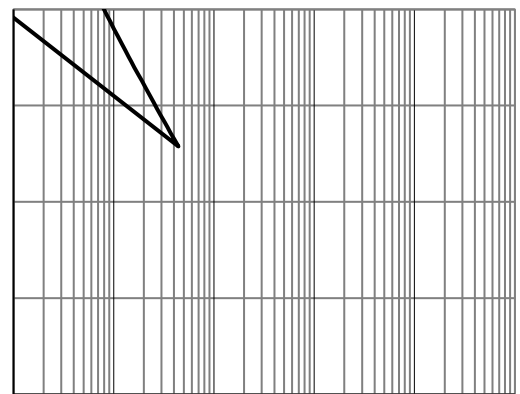
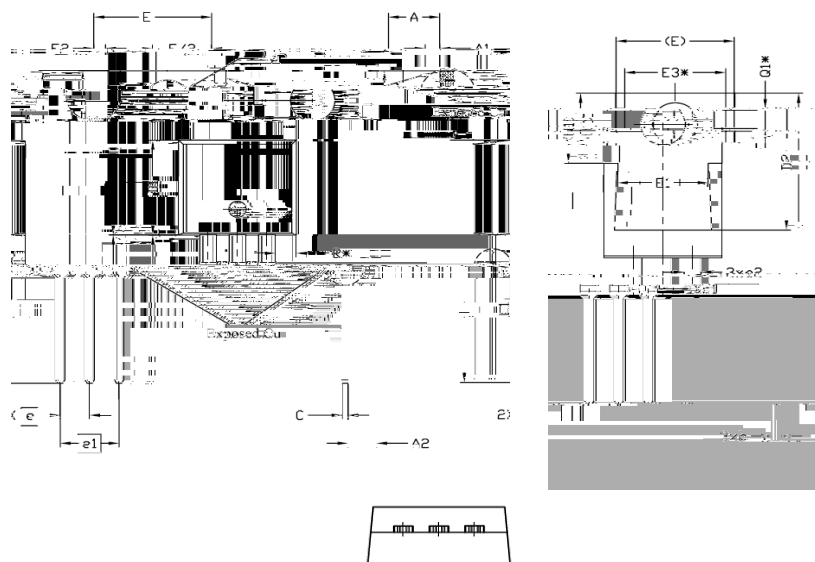


Figure 9: Maximum Safe Operating Area





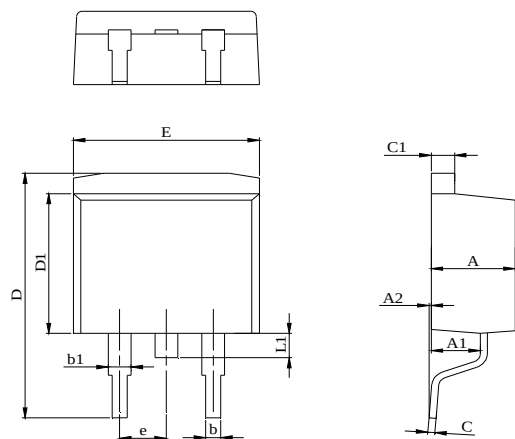
TO-220-3L Package Information



SYMBOL	DIMENSIONS (mm)		
	MIN	NOM	MAX
A	4.24	4.44	4.64
A1	1.15	1.27	1.40
A2	2.30	2.48	2.70
b	0.70	0.80	0.90
b1	1.20	1.55	1.75
b2	1.20	1.45	1.70
c	0.40	0.50	0.60
D	14.70	15.37	16.00
D1	8.82	8.92	9.02
D2	12.43	12.73	13.03
E	9.50	9.60	9.70
E1	2.54	2.54	2.54
E2	2.54	2.54	2.54
E3	2.54	2.54	2.54
e	0.60	0.60	0.60
e1	0.60	0.60	0.60
L1	5.30	5.45	5.60
L2	3.40	3.57	3.70
L3	3.80	3.80	4.00
L4	3.75	3.84	3.93
L5	2.60	2.80	3.00
L6	1.00	1.00	1.00
L7	1.00	1.00	1.00
L8	1.00	1.00	1.00
L9	1.00	1.00	1.00
L10	1.00	1.00	1.00
L11	1.00	1.00	1.00
L12	1.00	1.00	1.00
L13	1.00	1.00	1.00
L14	1.00	1.00	1.00
L15	1.00	1.00	1.00
L16	1.00	1.00	1.00
L17	1.00	1.00	1.00
L18	1.00	1.00	1.00
L19	1.00	1.00	1.00
L20	1.00	1.00	1.00
L21	1.00	1.00	1.00
L22	1.00	1.00	1.00
L23	1.00	1.00	1.00
L24	1.00	1.00	1.00
L25	1.00	1.00	1.00
L26	1.00	1.00	1.00
L27	1.00	1.00	1.00
L28	1.00	1.00	1.00
L29	1.00	1.00	1.00
L30	1.00	1.00	1.00
L31	1.00	1.00	1.00
L32	1.00	1.00	1.00
L33	1.00	1.00	1.00
L34	1.00	1.00	1.00
L35	1.00	1.00	1.00
L36	1.00	1.00	1.00
L37	1.00	1.00	1.00
L38	1.00	1.00	1.00
L39	1.00	1.00	1.00
L40	1.00	1.00	1.00
L41	1.00	1.00	1.00
L42	1.00	1.00	1.00
L43	1.00	1.00	1.00
L44	1.00	1.00	1.00
L45	1.00	1.00	1.00
L46	1.00	1.00	1.00
L47	1.00	1.00	1.00
L48	1.00	1.00	1.00
L49	1.00	1.00	1.00
L50	1.00	1.00	1.00
L51	1.00	1.00	1.00
L52	1.00	1.00	1.00
L53	1.00	1.00	1.00
L54	1.00	1.00	1.00
L55	1.00	1.00	1.00
L56	1.00	1.00	1.00
L57	1.00	1.00	1.00
L58	1.00	1.00	1.00
L59	1.00	1.00	1.00
L60	1.00	1.00	1.00
L61	1.00	1.00	1.00
L62	1.00	1.00	1.00
L63	1.00	1.00	1.00
L64	1.00	1.00	1.00
L65	1.00	1.00	1.00
L66	1.00	1.00	1.00
L67	1.00	1.00	1.00
L68	1.00	1.00	1.00
L69	1.00	1.00	1.00
L70	1.00	1.00	1.00
L71	1.00	1.00	1.00
L72	1.00	1.00	1.00
L73	1.00	1.00	1.00
L74	1.00	1.00	1.00
L75	1.00	1.00	1.00
L76	1.00	1.00	1.00
L77	1.00	1.00	1.00
L78	1.00	1.00	1.00
L79	1.00	1.00	1.00
L80	1.00	1.00	1.00
L81	1.00	1.00	1.00
L82	1.00	1.00	1.00
L83	1.00	1.00	1.00
L84	1.00	1.00	1.00
L85	1.00	1.00	1.00
L86	1.00	1.00	1.00
L87	1.00	1.00	1.00
L88	1.00	1.00	1.00
L89	1.00	1.00	1.00
L90	1.00	1.00	1.00
L91	1.00	1.00	1.00
L92	1.00	1.00	1.00
L93	1.00	1.00	1.00
L94	1.00	1.00	1.00
L95	1.00	1.00	1.00
L96	1.00	1.00	1.00
L97	1.00	1.00	1.00
L98	1.00	1.00	1.00
L99	1.00	1.00	1.00
L100	1.00	1.00	1.00

TO-263-3L Package Information

Package Outline



Recommend Soldering Footprint

