





POWER MOSFETS

HERMETIC POWER MOSFETS

N-CHANNEL, SURFACE MOUNT




TYPE NUMBER	DRAIN TO SOURCE BREAKDOWN VOLTAGE $V_{(BR)DSS}$	CONTINUOUS DRAIN CURRENT I_D		MAXIMUM POWER DISSIPATION P_D	STATIC DRAIN TO SOURCE ON RESISTANCE $R_{DS(on)}$		MAXIMUM THERMAL RESISTANCE $R_{\theta JC}$	SIMILAR PART TYPE	PKG. STYLE	
		Amps			Watts	Ohms				Amps
		25°C	100°C							
SHD218413	30	50	50	100	.012	20	0.7	ⓄMTP75N03		
SHD2181	60	45	31	200	.02	31	0.6	IRFM054		
SHD2182	100	38	24	200	.055	24	0.6	IRFM150		
SHD2183	200	30	19	200	.85	19	0.6	IRFM250		
SHD2184	400	14	9.0	200	.30	9.0	0.6	IRFM350		
SHD2185	500	12	7.75	200	.40	7.75	0.6	IRFM450		
SHD2186	800	7.1	4.5	200	1.2	4.5	0.6	IRFAE50		
SHD2187	900	6.2	4.0	200	1.6	4.0	0.6	IRFAF50		
SHD2188	1000	5.6	3.5	200	2.0	3.5	0.6	IRFAG50		
SHD218413A	30	50	50	100	.012	20	0.7	ⓄMTP75N03		
SHD2181A	60	45	31	200	.02	21	0.6	IRFM054		
SHD2182A	100	38	24	200	.055	24	0.6	IRFM150		
SHD2183A	200	30	19	200	.085	19	0.6	IRFM250		
SHD2184A	400	14	9.0	200	.30	9.0	0.6	IRFM350		
SHD2185A	500	12	7.75	200	.40	7.75	0.6	IRFM450		
SHD2186A	800	7.1	4.5	200	1.2	4.5	0.6	IRFAE50		
SHD2187A	900	6.2	4.0	200	1.6	4.0	0.6	IRFAF50		
SHD2188A	1000	5.6	3.5	200	2.0	3.5	0.6	IRFAG50		
SHD218413B	30	50	50	100	.012	20	0.7	ⓄMTP75N03		
SHD2181B	60	45	31	200	.02	21	0.6	IRFM054		
SHD2182B	100	38	24	200	.055	24	0.6	IRFM150		
SHD2183B	200	30	19	200	.085	19	0.6	IRFM250		
SHD2184B	400	14	9.0	200	.30	9.0	0.6	IRFM350		
SHD2185B	500	12	7.75	200	.40	7.75	0.6	IRFM450		
SHD2186B	800	7.1	4.5	200	1.2	4.5	0.6	IRFAE50		
SHD2187B	900	6.2	4.0	200	1.6	4.0	0.6	IRFAF50		
SHD2188B	1000	5.6	3.5	200	2.0	3.5	0.6	IRFAG50		
SHD239501	60	45	31	200	.02	31	0.37	IRFM054		
SHD239502	100	38	24	200	.055	24	0.37	IRFM150		
SHD239601	100	75	50	300	.025	37.5	0.27	IXTM75N10		
SHD239602	100	75	50	300	.025	37.5	0.27	IXFM75N10		
SHD239503	200	30	19	200	.085	19	0.37	IRFM250		
SHD239603	200	50	30	300	.05	25	0.27	IXTM50N20		
SHD239604	200	50	30	300	.05	25	0.27	IXFM50N20		
SHD239504	400	14	9.0	200	.30	9.0	0.37	IRFM350		
SHD239505	500	12	7.75	200	.40	7.75	0.37	IRFM450		
SHD239605	500	24	18	300	.23	12	0.27	IXTM24N50		
SHD239606	500	24	18	300	.23	12	0.27	IXFM24N50		
SHD239607	600	20	12	300	.35	10	0.27	IXTM20N60		
SHD239608	600	20	12	300	.35	10	0.27	IXFM20N60		
SHD239506	800	7.1	4.5	200	1.2	4.5	0.34	IRFAE50		
SHD239609	800	13	8.0	300	.80	6.5	0.27	IXTM13N80		
SHD239610	800	13	8.0	300	.80	6.5	0.27	IXFM13N80		
SHD239507	900	6.2	4.0	200	1.6	4.0	0.34	IRFAF50		
SHD239611	900	12	7.2	300	.90	6.0	0.27	IXTM12N90		
SHD239612	900	12	7.2	300	.90	6.0	0.27	IXFM12N90		
SHD239508	1000	5.6	3.5	200	2.0	3.5	0.34	IRFAG50		
SHD239613	1000	12	7.2	300	1.05	6.0	0.27	IXTM12N100		
SHD239614	1000	12	7.2	300	1.05	6.0	0.27	IXFM12N100		

Ⓞ PRELIMINARY INFORMATION

HERMETIC POWER MOSFETS

P-CHANNEL, SURFACE MOUNT

	DRAIN TO	CONTINUOUS	MAXIMUM	STATIC	MAXIMUM	SIMILAR	
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TYPE NUMBER	SOURCE BREAKDOWN VOLTAGE $V_{(BR)DSS}$	DRAIN CURRENT I_D		POWER DISSIPATION P_D	DRAIN TO SOURCE ON RESISTANCE $R_{DS(on)}$		THERMAL RESISTANCE $R_{\theta JC}$	PART TYPE	PKG. STYLE
		Amps			Watts	Ohms			
	Volts	25 $^{\circ}C$	100 $^{\circ}C$	25 $^{\circ}C$					
SHD2189	-100	-18	-11	125	.20	-11	1.0	IRF9140	
SHD21810	-200	-11	-7	125	.50	-7	1.0	IRF9240	
SHD2189A	-100	-18	-11	125	.20	-11	1.0	IRF9140	
SHD21810A	-200	-11	-7	125	.50	-7	1.0	IRF9240	
SHD2189B	-100	-18	-11	125	.20	-11	1.0	IRF9140	
SHD21810B	-200	-11	-7	125	.50	-7	1.0	IRF9240	

Notes:

-All ratings are at $T_C = 25^{\circ}C$ unless otherwise specified.

-Maximum operating and storage temperature $-55^{\circ}C$ to $+150^{\circ}C$.

PINOUTS

DEVICE TYPE	PIN 1	PIN 2	PIN 3
MOSFET - SHD-5, SHD-5A, SHD-5B, LCC-3P, SHD-6	DRAIN	SOURCE	GATE

Note: Ceramic seals and GlidCop® leads available.