

**Discrete MOSFET - Low Voltage Trench Gate**  
**2.5V Driver Voltage n-channel MOSFETs**

Device Number	Maximum Ratings, T <sub>c</sub> = 25°C				Electrical Characteristics				Package	
	V <sub>DSS</sub> (V)	I <sub>D</sub> (A)	P <sub>D</sub> (W)	V <sub>GSS</sub> (V)	r <sub>DS(on)</sub> (mΩ)		V <sub>GS(th)</sub> (V)	C <sub>ISS</sub> (pF)	Outline	Page
					Typ.	Max.				
FS10ASH-03	30	30	20	±10	68	92	0.8	540	MP-3	24
FS10UMH-03	30	30	20	±10	68	92	0.8	540	TO-220	24
FS10VSH-03	30	30	20	±10	68	92	0.8	540	TO-220S	24
FS10KMH-03	30	30	15	±10	68	92	0.8	540	TO-220FN	24
FS30ASH-03	30	50	30	±10	34	46	0.8	1150	MP-3	24
FS30UMH-03	30	50	30	±10	34	46	0.8	1150	TO-220	24
FS30VSH-03	30	50	30	±10	34	46	0.8	1150	TO-220S	24
FS30KMH-03	30	50	20	±10	34	46	0.8	1150	TO-220FN	24
FS30SMH-03	30	50	30	±10	34	46	0.8	1150	TO-3P	25
FS50ASH-03	30	50	35	±10	17	22	0.8	2300	MP-3	24
FS50UMH-03	30	50	45	±10	17	22	0.8	2300	TO-220	24
FS50VSH-03	30	50	45	±10	17	22	0.8	2300	TO-220S	24
FS50KMH-03	30	50	25	±10	17	22	0.8	2300	TO-220FN	24
FS50SMH-03	30	50	45	±10	17	22	0.8	2300	TO-3P	25
FS70UMH-03	30	70	70	±10	10	14	0.8	4000	TO-220	24
FS70VSH-03	30	70	70	±10	10	14	0.8	4000	TO-220S	24
FS70KMH-03	30	70	30	±10	10	14	0.8	4000	TO-220FN	24
FS70SMH-03	30	70	70	±10	10	14	0.8	4000	TO-3P	25
FS100UMH-03	30	100	125	±10	3.8	5.4	0.8	11000	TO-220	24
FS100VSH-03	30	100	125	±10	3.8	5.4	0.8	11000	TO-220S	24
FS100KMH-03	30	100	35	±10	3.8	5.4	0.8	11000	TO-220FN	24
FS100SMH-03	30	100	150	±10	3.8	5.4	0.8	11000	TO-3P	25
FS5ASH-06	60	5	20	±10	112	150	0.8	540	MP-3	24
FS5UMH-06	60	5	20	±10	112	150	0.8	540	TO-220	24
FS5VSH-06	60	5	20	±10	112	150	0.8	540	TO-220S	24
FS5KMH-06	60	5	15	±10	112	150	0.8	540	TO-220FN	24
FS10ASH-06	60	10	30	±10	54	73	0.8	1150	MP-3	24
FS10UMH-06	60	10	30	±10	54	73	0.8	1150	TO-220	24
FS10VSH-06	60	10	30	±10	54	73	0.8	1150	TO-220S	24
FS10KMH-06	60	10	20	±10	54	73	0.8	1150	TO-220FN	24
FS10SMH-06	60	10	30	±10	54	73	0.8	1150	TO-3P	25
FS30ASH-06	60	30	35	±10	25	30	0.8	2000	MP-3	24
FS30UMH-06	60	30	45	±10	25	30	0.8	2000	TO-220	24
FS30VSH-06	60	30	45	±10	25	30	0.8	2000	TO-220S	24
FS30KMH-06	60	30	25	±10	25	30	0.8	2000	TO-220FN	24
FS30SMH-06	60	30	45	±10	25	30	0.8	2000	TO-3P	25
FS50UMH-06	60	50	70	±10	15	21	0.8	4000	TO-220	24
FS50VSH-06	60	50	70	±10	15	21	0.8	4000	TO-220S	24
FS50KMH-06	60	50	30	±10	15	21	0.8	4000	TO-220FN	24
FS50SMH-06	60	50	70	±10	15	21	0.8	4000	TO-3P	25
FS70UMH-06	60	70	125	±10	5.5	7.5	0.8	11000	TO-220	24
FS70VSH-06	60	70	125	±10	5.5	7.5	0.8	11000	TO-220S	24
FS70KMH-06	60	70	35	±10	5.5	7.5	0.8	11000	TO-220FN	24
FS70SMH-06	60	70	150	±10	5.5	7.5	0.8	11000	TO-3P	25

r<sub>DS(on)</sub> (mΩ) - shows maximum value of on-resistance at V<sub>GS</sub> = 4V