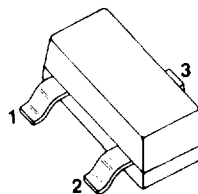


P-CHANNEL JFETs



SOT-23/TO-236AB

ELECTRICAL CHARACTERISTICS at $T_A = 25^\circ\text{C}$

Device Type	$V_{(BR)GSS}$		I_{GSS}		$V_{GS(off)}$		I_{DSS}			g_{fs}			C_{ISS}^1		C_{RSS}^1		r_{DS} Max. (Ω)	Pinning 1, 2, 3		
	Min. (V)	@ I_G (μA)	Max. (nA)	@ V_{DS} (V)	Limits		Conditions			Min. (mA)	Max. (mA)	@ V_{DS} (V)	Min. (mS)	Max. (mS)	@ V_{DS} (V)	Max. (pF)			@ V_{DS} (V)	
					Min. (V)	Max. (V)	V_{DS} (V)	I_D (nA)	Min. (mA)											Max. (mA)
TMPF3820	20	10	20	10	—	8.0	10	-10^2	-0.3	-15	-10	0.8	5.0	-10	32	-10	16	-10	—	DSG
TMPF3993	25	1.0	1.0	15	4.0	9.5	10	-1.0^2	-10	—	-10	6.0	12	-10	20	-10	4.5	10^3	150	DSG
TMPF3994	25	1.0	1.0	15	1.0	5.5	10	-1.0^2	-2.0	—	-10	4.0	10	-10	20	-10	4.5	10^3	300	DSG
TMPF4381	25	1.0	1.0	15	1.0	5.0	15	-1.0^2	-3.0	-12	-15	2.0	6.0	-15	20	-15	5.0	-15	—	DSG
TMPF5460	40	10	5.0	20	0.75	6.0	15	-1.0	-1.0	-5.0	-15	1.0	5.0	-15	7.0	-15	3.0	-15	—	DSG
TMPF5461	40	10	5.0	20	1.0	7.5	15	-1.0	-2.0	-9.0	-15	1.5	5.5	-15	7.0	-15	3.0	-15	—	DSG
TMPF5462	40	10	5.0	20	1.8	9.0	15	-1.0	-4.0	-16	-15	2.0	6.0	-15	7.0	-15	3.0	-15	—	DSG
TMPFJ174	30	1.0	1.0	20	5.0	10	15	-10	-20	-135	-15	—	—	—	—	—	—	—	85	DSG
TMPFJ175	30	1.0	1.0	20	3.0	6.0	15	-10	-7.0	-70	-15	—	—	—	—	—	—	—	125	DSG
TMPFJ176	30	1.0	1.0	20	1.0	4.0	15	-10	-2.0	-35	-15	—	—	—	—	—	—	—	250	DSG
TMPFJ177	30	1.0	1.0	20	0.8	2.25	15	-10	-1.5	-20	-15	—	—	—	—	—	—	—	300	DSG
TMPFU304	30	1.0	1.0	20	5.0	10	15	-1.0^2	-30	-90	-15	—	—	—	27	-15	7.0	12^3	85	DSG
TMPFU305	30	1.0	1.0	20	3.0	6.0	15	-1.0^2	-15	-60	-15	—	—	—	27	-15	7.0	7.0^3	110	DSG
TMPFU306	30	1.0	1.0	20	1.0	4.0	15	-1.0^2	-5.0	-25	-15	—	—	—	27	-15	7.0	5.0^3	175	DSG

NOTES: 1) $V_{GS} = 0$ V.

2) I_D in μA .

3) $V_{DS} = 0$ V, V_{GS} in volts.

4) $V_{GS} = 1.0$ V.