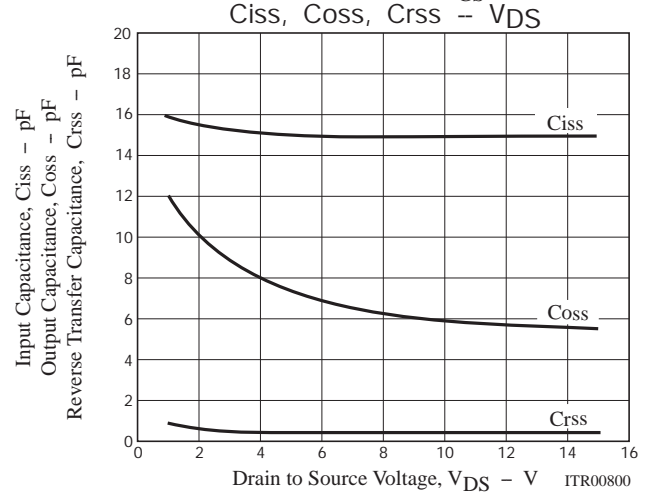
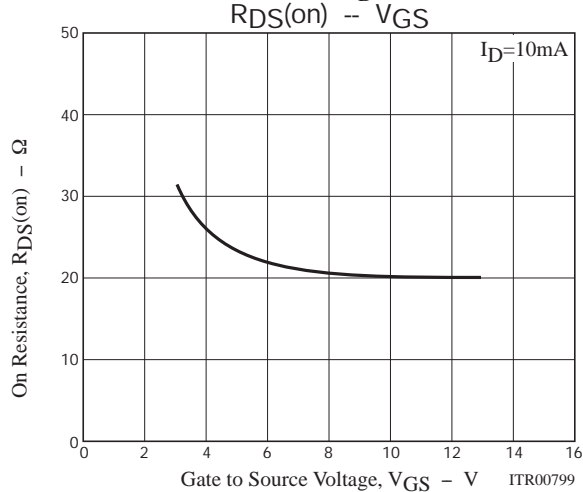
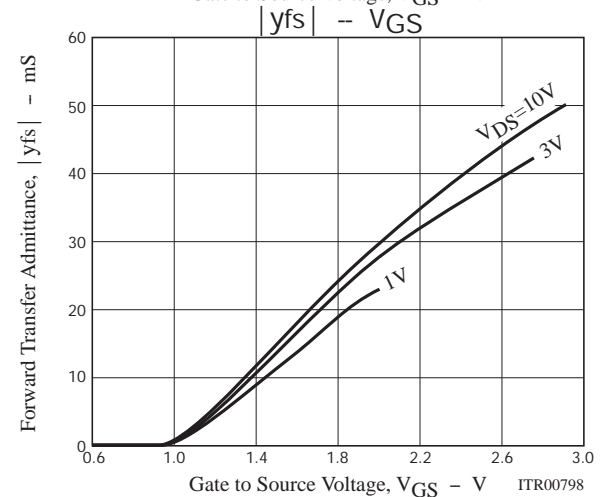
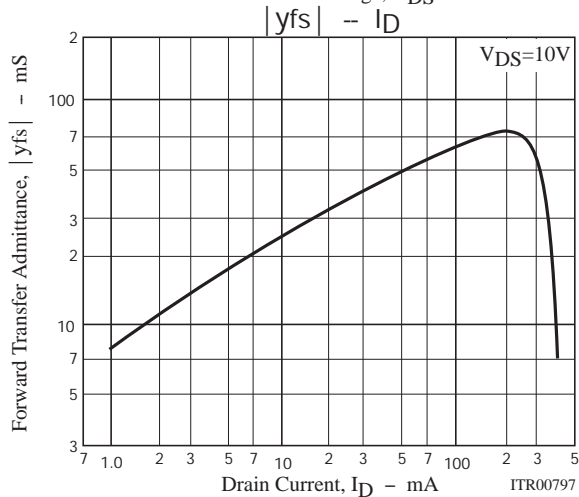
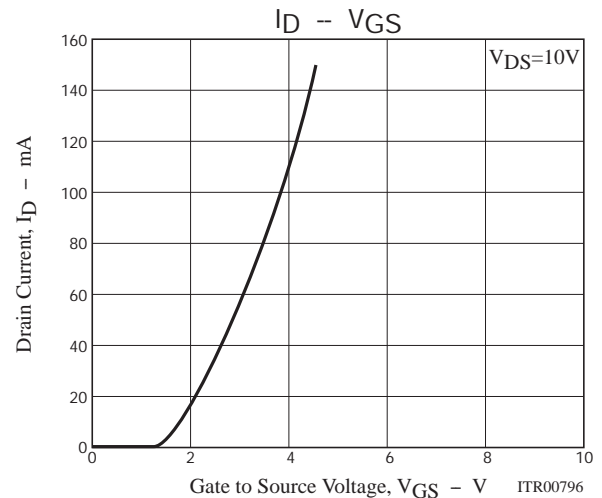
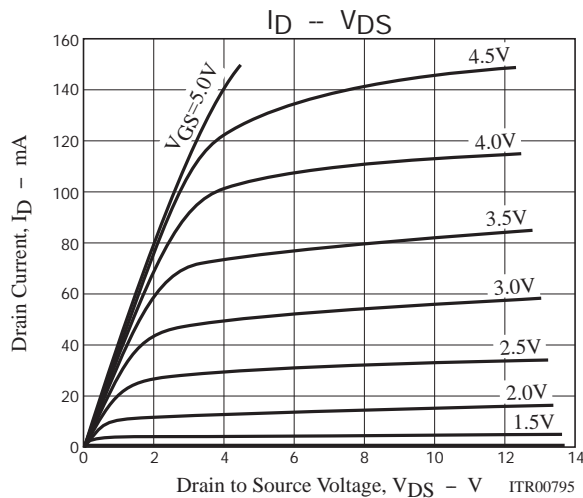
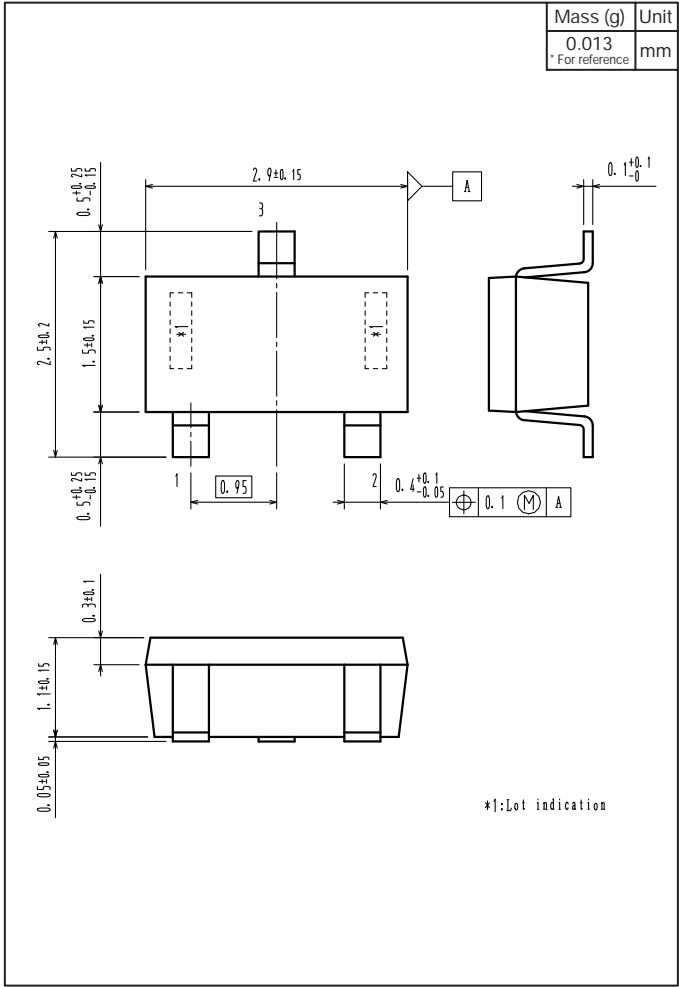


Electrical Characteristics at $T_a=25^\circ\text{C}$

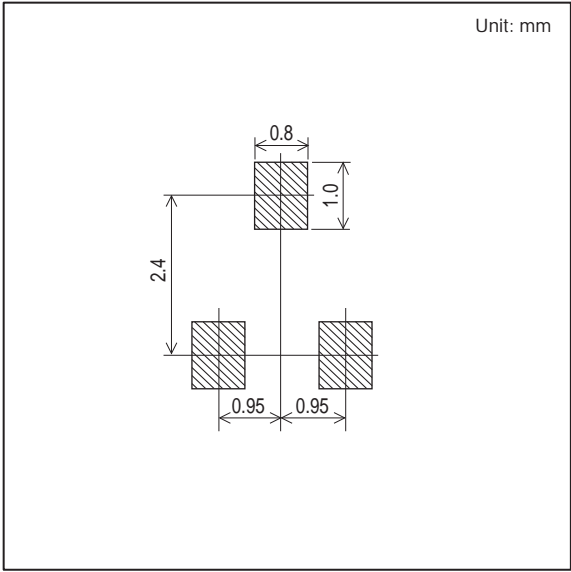
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Drain to Source Breakdown Voltage	$V_{(BR)DS}$	$I_D=10\mu\text{A}$, $V_{GS}=0\text{V}$	50			V
Gate to Source Leakage Current	I_{GSS}	$V_{GS}=10\text{V}$, $V_{DS}=0\text{V}$		0.01	10	nA
Zero-Gate Voltage Drain Current	I_{DSS}	$V_{DS}=20\text{V}$, $V_{GS}=0\text{V}$			1	μA
Cutoff Voltage	$I_{GS(off)}$	$V_{DS}=10\text{V}$, $I_D=100\mu\text{A}$	0.3	0.9	1.5	V
Forward Transfer Admittance	$ y_{fs} $	$V_{DS}=10\text{V}$, $I_D=50\text{mA}$, $f=1\text{kHz}$	25	40		mS
Input Capacitance	C_{iss}	$V_{DS}=10\text{V}$, $V_{GS}=0\text{V}$, $f=1\text{MHz}$		15		pF
Output Capacitance	C_{oss}			6		pF
Reverse Transfer Capacitance	C_{rss}			0.5		pF
Drain to Source ON Resistance	$R_{DS(on)}$	$V_{GS}=10\text{V}$, $I_D=10\text{mA}$		20		Ω



Outline Drawing
2SK536-TB-E



Land Pattern Example



Note on usage : Since the 2SK536 is a MOSFET product, please avoid using this device in the vicinity of highly charged objects.

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