



SILICON N-CHANNEL JUNCTION-TYPE FIELD EFFECT TRANSISTOR FOR CONDENSER MICROPHONE IMPEDANCE CONVERSION

ABSOLUTE MAXIMUM RATINGS/T_a = 25°C

		unit
Drain-gate voltage	V _{DGO}	20 V
Gate current	I _G	10 mA
Allowable power dissipation	P _D	100 mW
Junction temperature	T _j	125 °C
Storage ambient temperature	T _{stg}	−40 ~ +125 °C

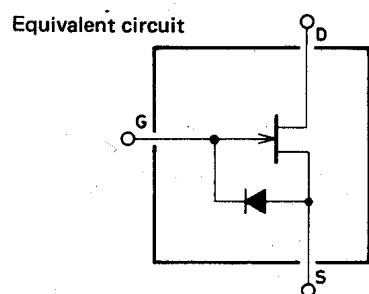
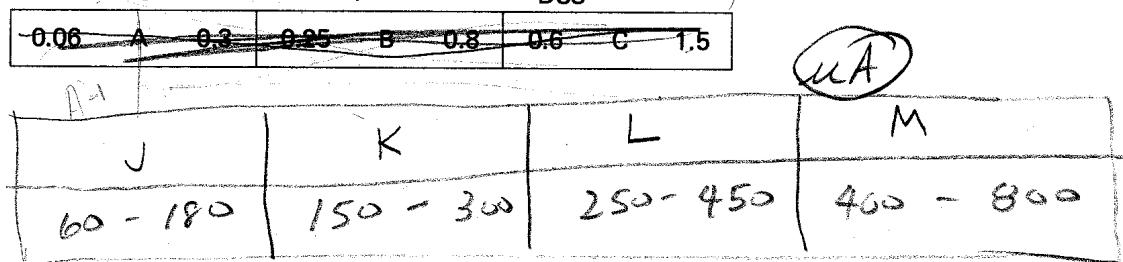
ELECTRICAL CHARACTERISTICS/T_a = 25°C

		V _{DS} = 10 V	min	typ	max	unit
Drain current	I _{DSS} *	0.06*		1.5*		mA

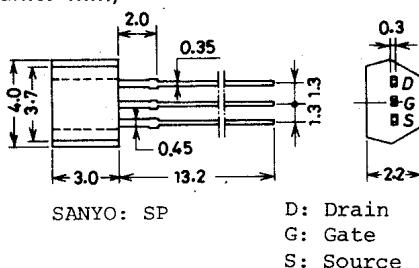
[T_a = 25°C, V_{CC} = 4.5 V, R_D = 680 Ω, C_{in} = 15 pF, in specified test circuit (conforming with application circuit)]

		V _{CC} = 4.5 ~ 1.5 V, f = 1 kHz	min	typ	max	unit
Transmission loss voltage-drop characteristics	ΔG _{VV}	−3 dB				
Transmission loss frequency characteristics	ΔG _{Vf}	−1 dB				
Input impedance	z _{in}	20 MΩ				
Output noise voltage	V _{NO}	−110 dB				

* 2SK156 is graded as follows by drain current I_{DSS}:



Case Outline 2001
(unit: mm)



These specifications are subject to change without notice.