

TOSHIBA FIELD EFFECT TRANSISTOR SILICON N CHANNEL MOS TYPE

# 2SK2467-Y

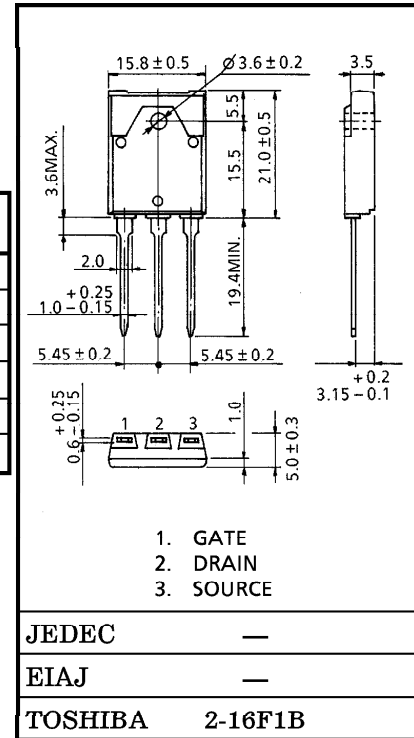
HIGH POWER AMPLIFIER APPLICATION

Unit in mm

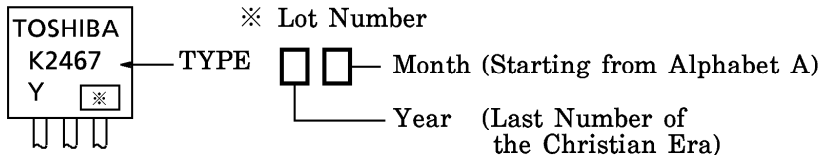
- High Breakdown Voltage :  $V_{DSS}=180V$
- High Forward Transfer Admittance :  $|Y_{fs}|=4.0S$  (Typ.)

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Drain-Source Voltage	$V_{DSS}$	180	V
Gate-Source Voltage	$V_{GSS}$	$\pm 20$	V
Drain Current	$I_D$	9	A
Drain Power Dissipation (Tc=25°C)	$P_D$	80	W
Channel Temperature	$T_{ch}$	150	°C
Storage Temperature Range	$T_{stg}$	-55~150	°C



MARKING



ELECTRICAL CHARACTERISTICS (Ta = 25°C)

Weight : 5.8g (Typ.)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Drain Cut-Off Current	$I_{DSS}$	$V_{DS}=180V, V_{GS}=0$	—	—	1.0	mA
Gate Leakage Current	$I_{GSS}$	$V_{DS}=0, V_{GS}=\pm 20V$	—	—	$\pm 0.5$	$\mu A$
Drain-Source Breakdown Voltage	$V_{(BR)DSS}$	$I_D=10mA, V_{GS}=0$	180	—	—	V
Drain-Source Saturation Voltage	$V_{DS(ON)}$	$V_{GS}=10V, I_D=6A$	—	2.5	5.0	V
Gate-Source Cut-off Voltage (Note)	$V_{GS(OFF)}$	$V_{DS}=10V, I_D=0.1A$	1.4	—	2.8	V
Forward Transfer Admittance	$ Y_{fs} $	$V_{DS}=10V, I_D=3A$	—	4.0	—	S
Input Capacitance	$C_{iss}$	$V_{DS}=30V, V_{GS}=0, f=1MHz$	—	700	—	pF
Output Capacitance	$C_{oss}$	$V_{DS}=30V, V_{GS}=0, f=1MHz$	—	150	—	pF
Reverse Capacitance	$C_{rss}$	$V_{DS}=30V, V_{GS}=0, f=1MHz$	—	90	—	pF

(Note) :  $V_{GS(OFF)}$  Classification Y : 1.4~2.8

**This transistor is an electrostatic sensitive device.  
Please handle with caution.**

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