

T-3a-13

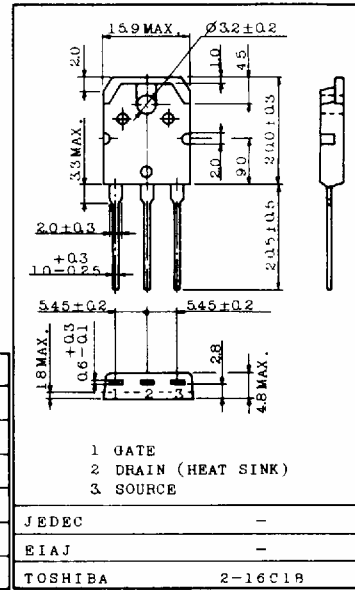
TOSHIBA (DISCRETE/OPTO)

AUDIO FREQUENCY POWER AMPLIFIER APPLICATION.

Unit in mm

FEATURES:

- . High Breakdown Voltage :  $V_{DSS}=160V$
- . High Forward Transfer Admittance :  $|Y_{fs}|=2.0S$  (Typ.)
- . Complementary to 2SJ115



MAXIMUM RATINGS ( $T_a=25^\circ C$ )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Drain-Source Voltage	$V_{DSS}$	160	V
Gate-Source Voltage	$V_{GSS}$	$\pm 20$	V
Drain Current	$I_D$	8	A
Power Dissipation ( $T_c=25^\circ C$ )	$P_D$	100	W
Channel Temperature	$T_{ch}$	150	$^\circ C$
Storage Temperature Range	$T_{stg}$	-55 ~ 150	$^\circ C$

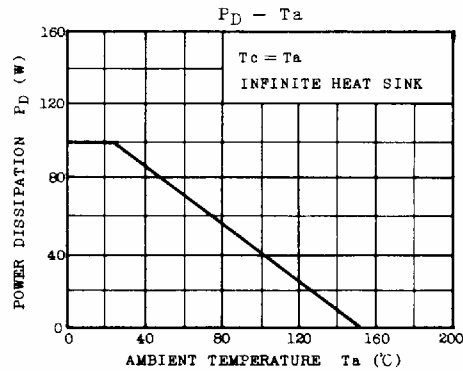
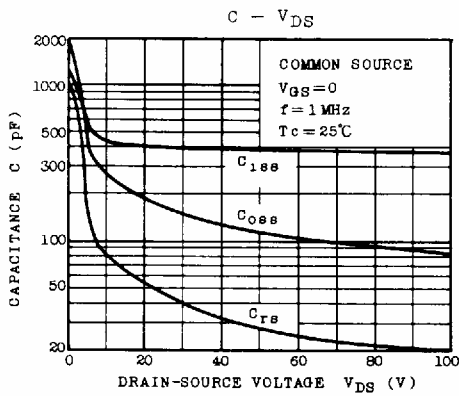
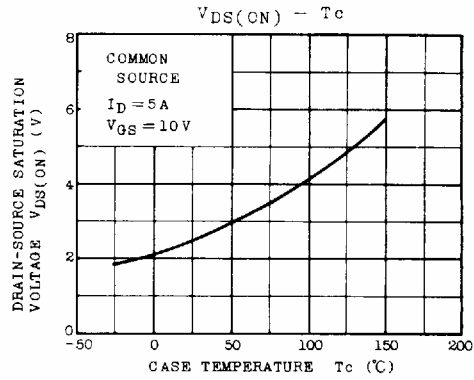
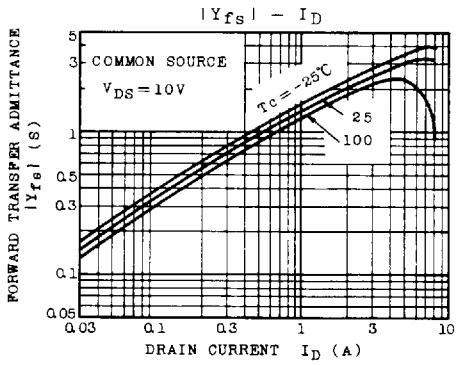
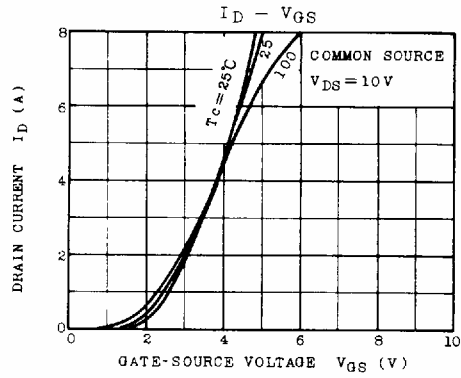
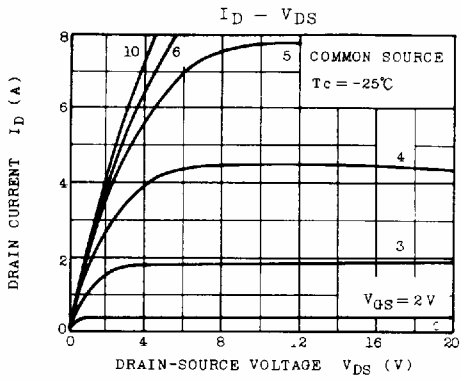
JEDEC	-
EIAJ	-
TOSHIBA	2-16C18

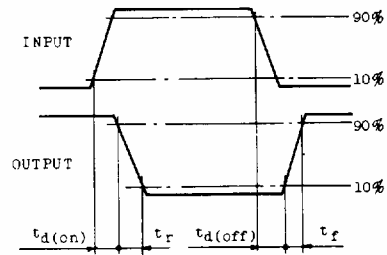
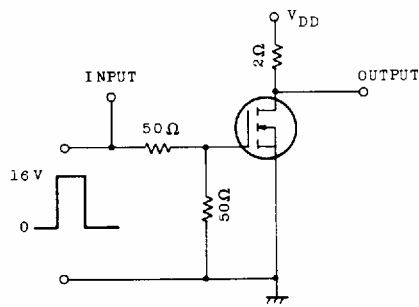
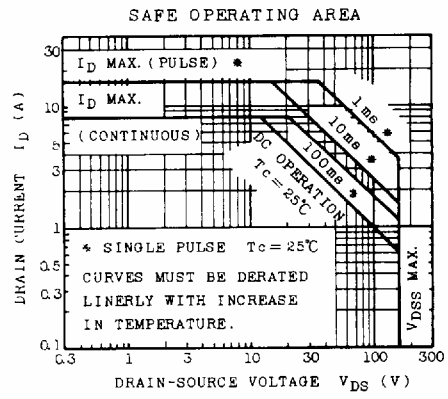
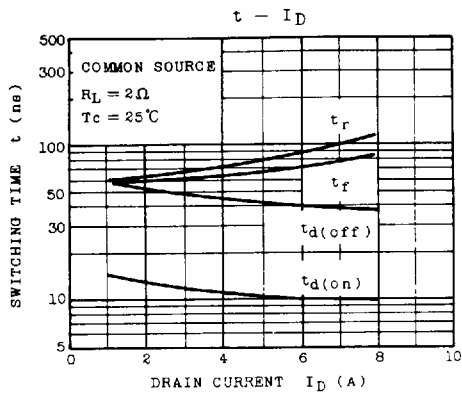
Weight : 4.6g

ELECTRICAL CHARACTERISTICS ( $T_a=25^\circ C$ )

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Gate Leakage Current	$I_{GSS}$	$V_{DS}=0, V_{GS}=\pm 20V$	-	-	$\pm 1.0$	$\mu A$
Drain-Source Breakdown Voltage	$V_{(BR)DSS}$	$I_D=5mA, V_{GS}=0$	160	-	-	V
Gate-Source Cut-off Voltage	$V_{GS(OFF)}$ (Note)	$V_{DS}=10V, I_D=0.1A$	0.8	-	2.8	V
Drain-Source Saturation Voltage	$V_{DS(ON)}$	$I_D=5A, V_{GS}=10V$	-	2.5	7.0	V
Forward Transfer Admittance	$ Y_{fs} $	$V_{DS}=10V, I_D=2A$	1.0	2.0	-	S
Input Capacitance	$C_{iss}$	$V_{DS}=10V, V_{GS}=0, f=1MHz$	-	430	-	pF
Output Capacitance	$C_{oss}$	$V_{DS}=10V, V_{GS}=0, f=1MHz$	-	260	-	pF
Reverse Transfer Capacitance	$C_{rs}$	$V_{DS}=10V, V_{GS}=0, f=1MHz$	-	80	-	pF

Note :  $V_{GS(OFF)}$  Classification 0 : 0.8 ~ 1.6, Y : 1.4 ~ 2.8





This datasheet has been downloaded from:

[www.DatasheetCatalog.com](http://www.DatasheetCatalog.com)

Datasheets for electronic components.