

AUDIO FREQUENCY POWER AMPLIFIER
LOW SPEED SWITCHING

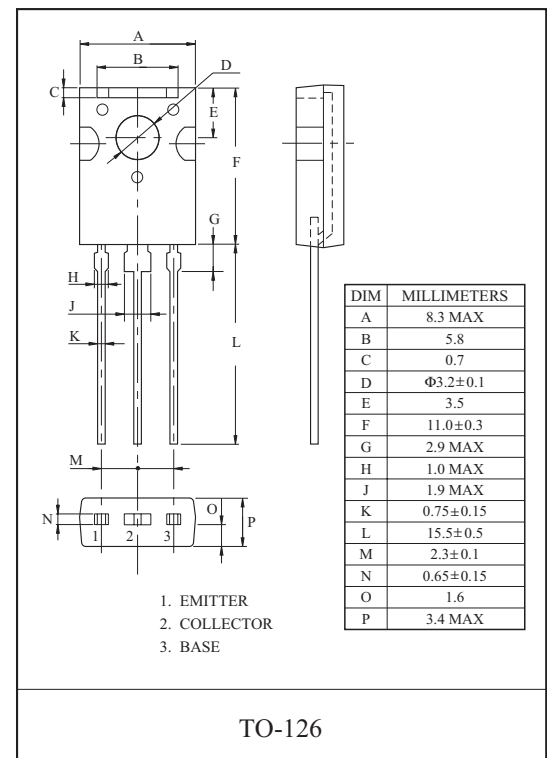
FEATURES

- Complementary to KTB772.
- Suffix U : Qualified to AEC-Q101.
ex) KTD882-Y-U/PU

MAXIMUM RATING (Ta=25)

CHARACTERISTIC		SYMBOL	RATING	UNIT
Collector-Base Voltage		V_{CBO}	40	V
Collector-Emitter Voltage		V_{CEO}	30	V
Emitter-Base Voltage		V_{EBO}	5	V
Collector Current	DC	I_C	3	A
	Pulse (Note)	I_{CP}	7	
Base Current (DC)		I_B	0.6	A
Collector Power Dissipation	Ta=25	P_C	1.5	W
	Tc=25		10	
Junction Temperature		T_j	150	
Storage Temperature Range		T_{stg}	-55 150	

Note : Pulse Width 10mS, Duty Cycle 50%.



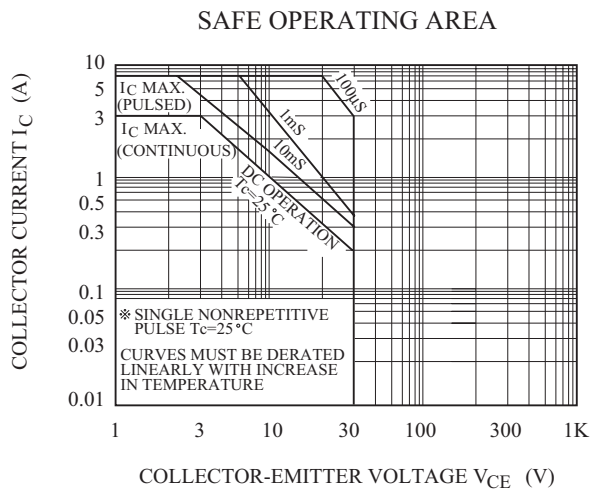
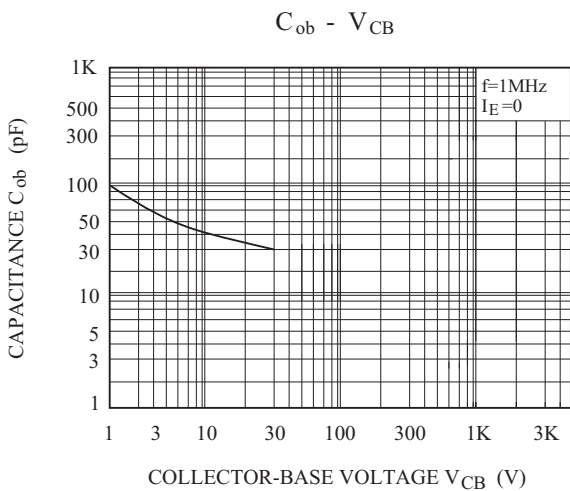
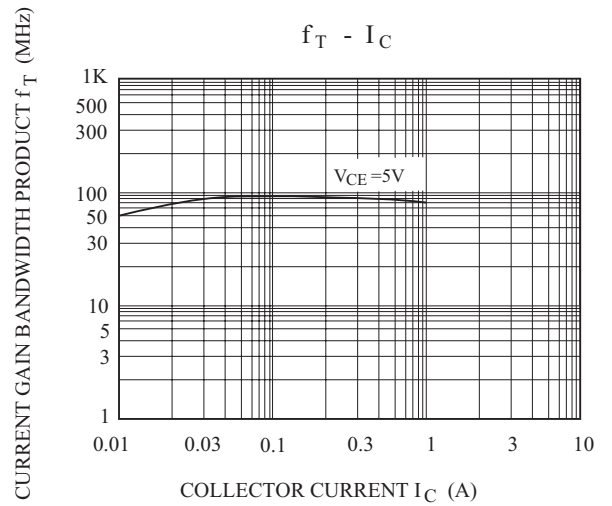
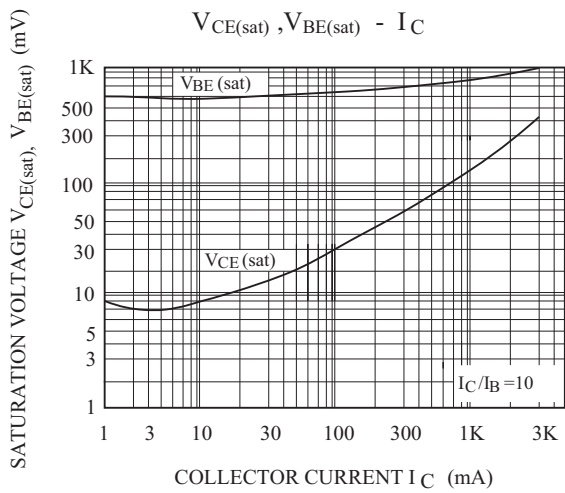
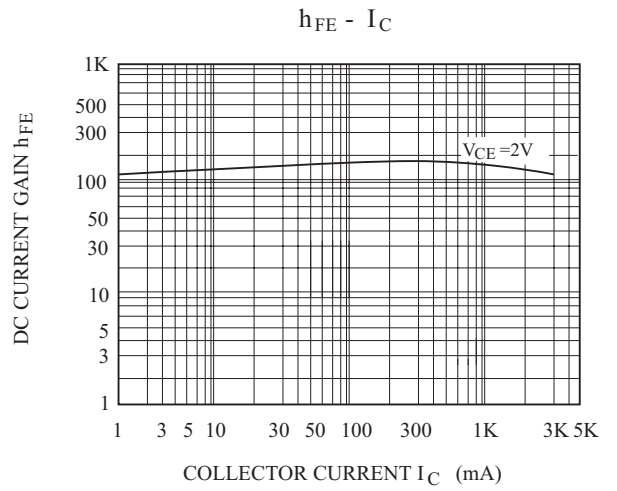
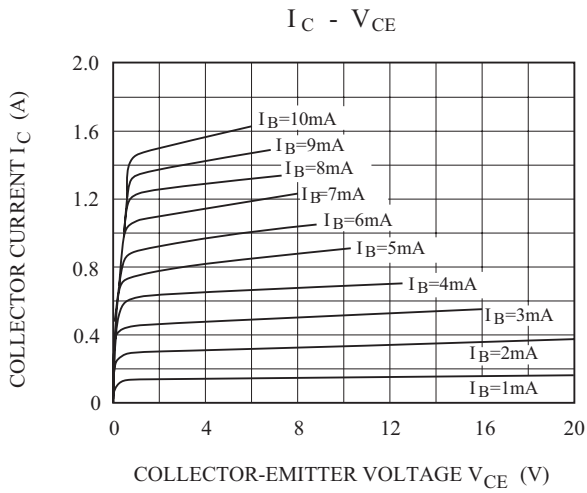
ELECTRICAL CHARACTERISTICS (Ta=25)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	$V_{CB}=30V, I_E=0$	-	-	1	μA
Emitter-Cut-off Current	I_{EBO}	$V_{EB}=3V, I_C=0$	-	-	1	μA
DC Current Gain	$h_{FE(1)}$	$V_{CE}=2V, I_C=20mA$	30	150	-	
	$h_{FE(2)}$ (Note)	$V_{CE}=2V, I_C=1A$	100	160	400	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=2A, I_B=0.2A$	-	0.3	0.5	V
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=2V, I_B=0.2A$	-	1.0	2.0	V
Current Gain Bandwidth Product	f_T	$V_{CE}=5V, I_C=0.1A$	-	90	-	MHz
Collector Output Capacitance	C_{ob}	$V_{CB}=10V, I_E=0, f=1MHz$	-	45	-	pF

* Pulse Test : Pulse Width 350 μS , Duty Cycle 2% Pulsed

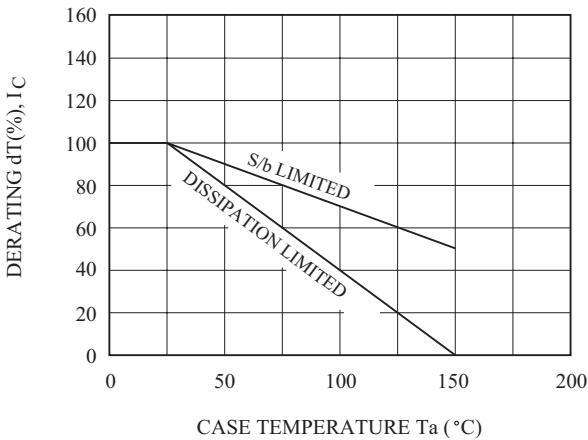
Note: $h_{FE(2)}$ Classification O:100 200 , Y:160 320 , GR:200 400

KTD882

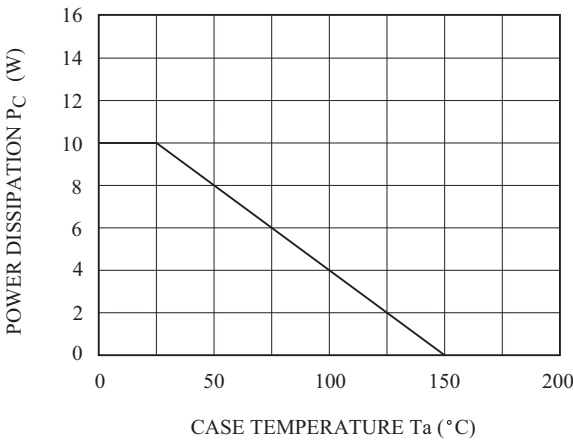


KTD882

dT - Ta



P_c - Ta



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Bipolar Transistors - BJT category](#):

Click to view products by [KEC manufacturer](#):

Other Similar products are found below :

[BC559C](#) [MCH4017-TL-H](#) [MMBT-2369-TR](#) [BC546/116](#) [NJVMJD148T4G](#) [NTE16](#) [NTE195A](#) [IMX9T110](#) [2N4401-A](#) [2N4403](#) [2N6728](#)
[2SA1419T-TD-H](#) [2SA2126-E](#) [2SB1204S-TL-E](#) [FMC5AT148](#) [2N2369ADCSM](#) [2N2907A](#) [2N3904-NS](#) [2N5769](#) [2SC4618TLN](#) [CPH6501-](#)
[TL-E](#) [MCH4021-TL-E](#) [Jantx2N5416](#) [US6T6TR](#) [BAX18/A52R](#) [BC556/112](#) [IMZ2AT108](#) [MMST8098T146](#) [UMX21NTR](#) [MCH6102-TL-E](#)
[TTA1452B,S4X\(S](#) [2N3879](#) [NTE13](#) [NTE282](#) [NTE323](#) [NTE350](#) [NTE81](#) [JANTX2N2920L](#) [JANTX2N3735](#) [JANSR2N2222AUB](#)
[CMLT3946EG TR](#) [SNSS40600CF8T1G](#) [CMLT3906EG TR](#) [GRP-DATA-JANS2N2907AUB](#) [GRP-DATA-JANS2N2222AUA](#)
[MMDT3946FL3-7](#) [2N4240](#) [JANS2N3019](#) [MSB30KH-13](#) [2N2221AUB](#)