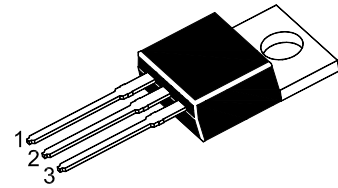


# H1061

## NPN Plastic Power Transistor

Low frequency power amplifier

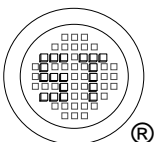


1.Base 2.Collector 3.Emitter

TO-220 Plastic Package

### Absolute Maximum Ratings ( $T_a = 25\text{ }^\circ\text{C}$ )

Parameter	Symbol	Value	Unit
Collector Emitter Voltage	$V_{CEO}$	50	V
Collector Base Voltage	$V_{CBO}$	50	V
Emitter Base Voltage	$V_{EBO}$	4	V
Collector Current	$I_C$	3	A
Power Dissipation	$P_{tot}$	25	W
Junction Temperature	$T_j$	150	$^\circ\text{C}$
Storage Temperature Range	$T_s$	-45 to +150	$^\circ\text{C}$



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ISO/TS 16949 : 2009  
Certificate No. 16073000



ISO14001 : 2004  
Certificate No. 7116



ISO 9001 : 2008  
Certificate No. 5073910



BS-OHSAS 18001 : 2007  
Certificate No. 7116

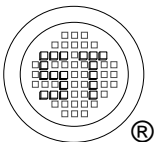


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# H1061

## Characteristics at $T_{amb}=25\text{ }^{\circ}\text{C}$

Parameter	Symbol	Min.	Typ.	Max.	Unit	
DC Current Gain at $V_{CE} = 4\text{ V}$ , $I_C = 1\text{ A}$	H1061A	$h_{FE}$	35	-	70	-
	H1061B	$h_{FE}$	60	-	120	-
	H1061C	$h_{FE}$	100	-	200	-
	H1061D	$h_{FE}$	160	-	320	-
	at $V_{CE} = 4\text{ V}$ , $I_C = 0.1\text{ A}$	$h_{FE}$	35	-	-	-
Collector Cutoff Current at $V_{CB} = 20\text{ V}$	$I_{CBO}$	-	-	0.1	mA	
Collector Saturation Voltage at $I_C = 2\text{ A}$ , $I_B = 0.2\text{ A}$	$V_{CE(sat)}$	-	-	1	V	
Collector Emitter Breakdown Voltage at $I_C = 50\text{ mA}$	$V_{(BR)CEO}$	50	-	-	V	
Collector Base Breakdown Voltage at $I_C = 5\text{ mA}$	$V_{(BR)CBO}$	50	-	-	V	
Emitter Base Breakdown Voltage at $I_E = 5\text{ mA}$	$V_{(BR)EBO}$	4	-	-	V	
Base Emitter Voltage at $I_C = 1\text{ A}$ , $V_{CE} = 4\text{ V}$	$V_{BE}$	-	-	1.5	V	
Gain Bandwidth Product at $V_{CE} = 4\text{ V}$ , $I_C = 0.5\text{ A}$	$f_T$	-	8	-	MHz	



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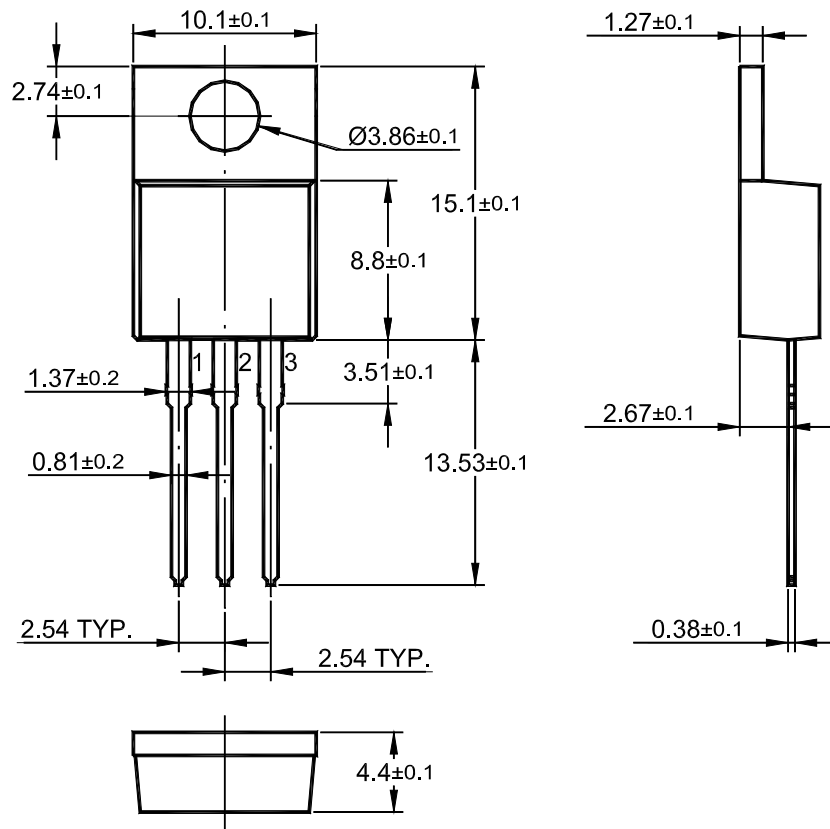


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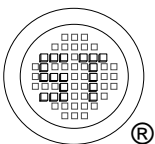


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## TO-220 PACKAGE OUTLINE



Dimensions in mm



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