

A1015

$\hbox{-}0.15A\ , \hbox{-}50V \\ PNP\ Plastic-Encapsulated\ Transistor$

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

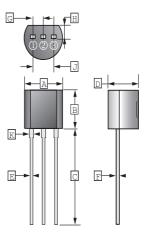
FEATURES

• Power Dissipation

CLASSIFICATION OF hFE

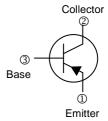
Product-Rank A1015-O		A1015-Y	A1015-GR		
Range	70~140	120~240	200~400		

TO-92



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REF.	Millimeter				
KEF.	Min.	Max.			
Α	4.40	4.70			
В	4.30	4.70			
С	12.70				
D	3.30	3.81			
Е	0.36	0.56			
F	0.36	0.51			
G	1.27 TYP.				
Н	1.10	-			
J	2.42	2.66			
K	0.36	0.76			



ABSOLUTE MAXIMUM RATINGS (T_A = 25℃ unless otherwise specified)

Parameter	Symbol	Rating	Unit	
Collector to Base Voltage	V_{CBO}	-50	V	
Collector to Emitter Voltage	$V_{\sf CEO}$	-50	V	
Emitter to Base Voltage	V_{EBO}	-5	V	
Collector Current - Continuous	Ic	-150	mA	
Collector Power Dissipation	P_{D}	400	mW	
Junction, Storage Temperature	T_J,T_STG	125, -55~125	Ç	

ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise specified)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Test Conditions
Collector to Base Breakdown Voltage	$V_{(BR)CBO}$	-50	-	-	V	I _C = -100μA, I _E =0
Collector to Emitter Breakdown Voltage	$V_{(BR)CEO}$	-50	ı	ı	٧	I _C = -0.1mA, I _B =0
Emitter to Base Breakdown Voltage	$V_{(BR)EBO}$	-5	1	•	V	I _E = -100μA, I _C =0
Collector Cut-Off Current	I_{CBO}	-	-	-0.1	μΑ	V_{CB} = -50V, I_E =0
Collector Cut-Off Current	I _{CEO}	-	-	-0.1	μΑ	V _{CE} = -50V, I _B =0
Emitter Cut-Off Current	I_{EBO}	-	1	-0.1	μΑ	V_{EB} = -5V, I_C =0
DC Current Gain	h_{FE}	70	1	400		V_{CE} = -6V, I_{C} = -2mA
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	-	-	-0.3	V	I _C = -100mA, I _B = -10mA
Base to Emitter Saturation Voltage	$V_{BE(sat)}$	-	-	-1.1	V	I _C = -100mA, I _B = -10mA
Transition Frequency	f⊤	80	-	-	MHz	V_{CE} = -10V, I_{C} = -1mA, f=30MHz
Collector Output Capacitance	Cob	-	-	7	pF	V _{CB} = -10V, I _E =0, f=1MHz
Noise Figure	NF	-	-	6	dB	V_{CE} = -6V, I_{C} = -0.1mA, f=1KHz, R_{G} =10K

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Any changes of specification will not be informed individually.

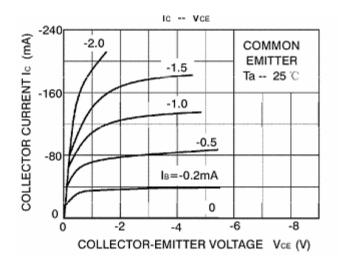
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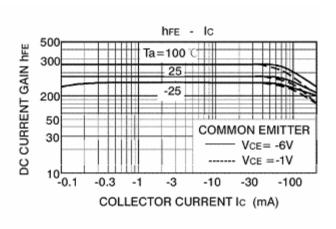


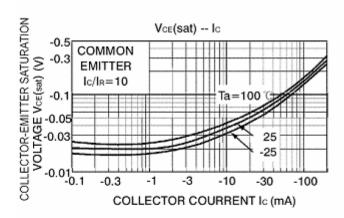
A1015 -0.15A, -50V

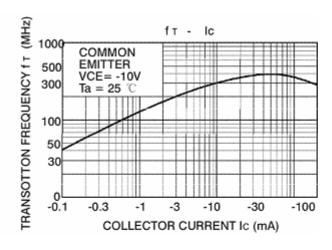
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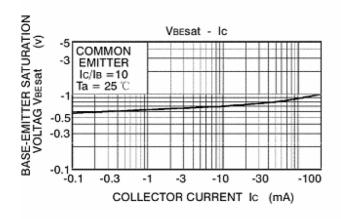
CHARACTERISTIC CURVES

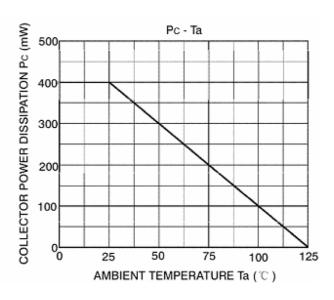












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