

Epoxy meets UL-94 V-0 flammability rating
 Halogen free available upon request by adding suffix "HF"
 Moisture Sensitivity Level 1
 Surface mount package ideally Suited for Automatic
 Insertion
 PNP

: SOT-23
 : Tin plated leads, solderable per
 J-STD-002 and JESD22-B102

2SA1037-Q	FQ
2SA1037-R	FR
2SA1037-S	FS

(Ta=25 unless otherwise noted)

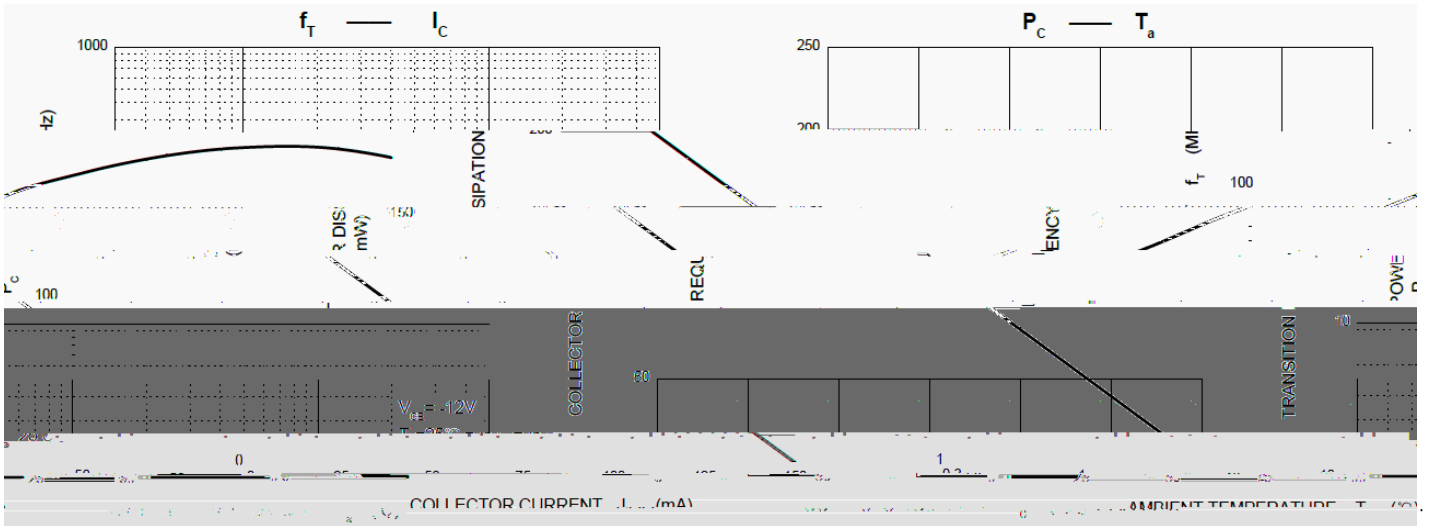
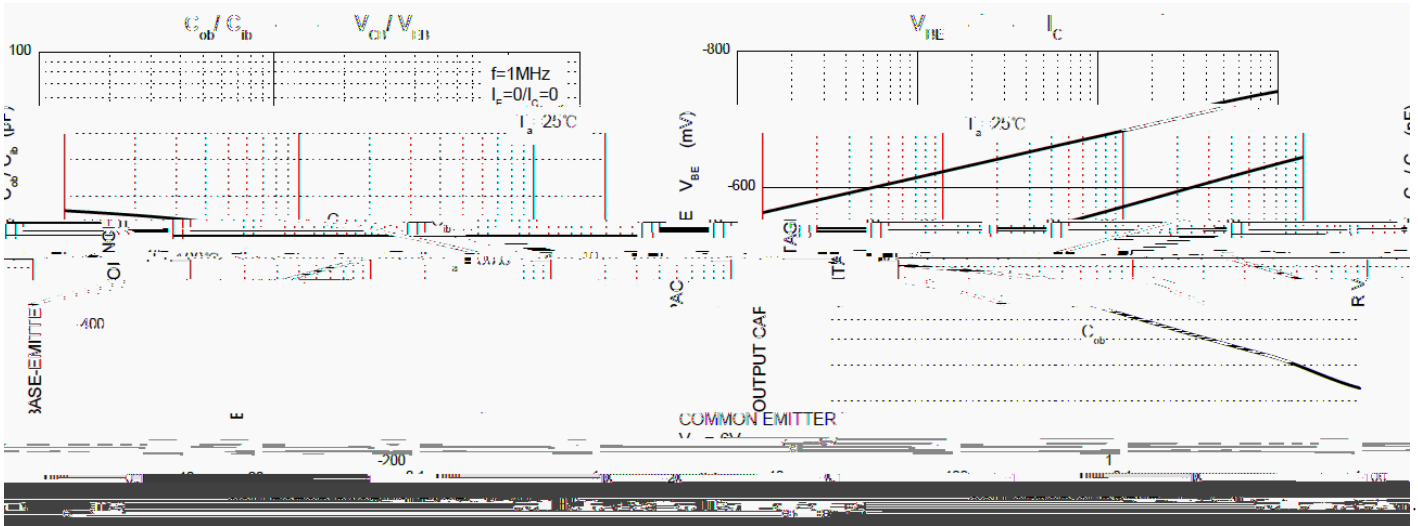
Parameter	Symbol	Unit	Test Conditions	Value
Collector-Base Voltage	V_{CBO}	V	$I_C = -50\mu A, I_E = 0$	-60
Collector-Emitter Voltage	V_{CEO}	V	$I_C = -1mA, I_B = 0$	-50
Emitter-Base Voltage	V_{EBO}	V	$I_E = -50\mu A, I_C = 0$	-6
Collector Current	I_C	A		-0.15
Collector Power Dissipation	P_C	mW		200
Operating Junction Temperature	T_j			150
Storage Temperature	T_{stg}			-55 to +150

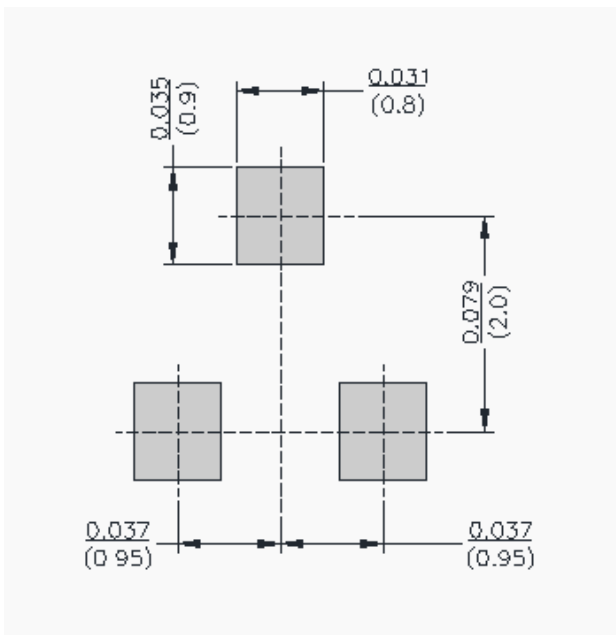
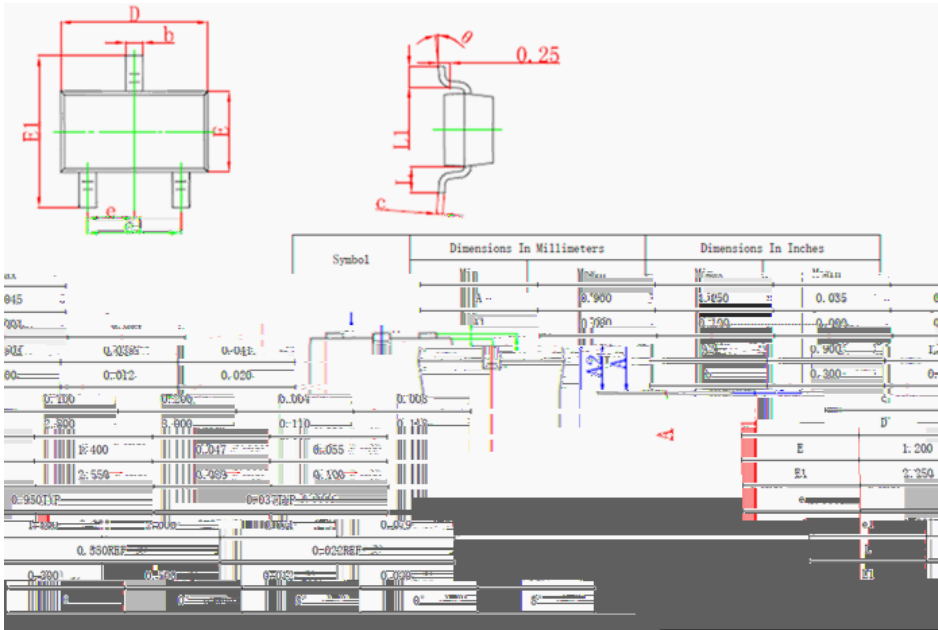
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Parameter	Symbol	Unit	Test Conditions	Value	Value	
Collector-base breakdown voltage	V_{CBO}	V	$I_C = -50\mu A, I_E = 0$	-60		
Collector-emitter breakdown voltage	V_{CEO}	V	$I_C = -1mA, I_B = 0$	-50		
Emitter-base breakdown voltage	V_{EBO}	V	$I_E = -50\mu A, I_C = 0$	-6		
Collector-base cut-off current	I_{CBO}	μA	$V_{CB} = -60V, I_E = 0$		-0.1	
Emitter-base cut-off current	I_{EBO}	μA				
DC current gain	h_{FE}		$V_{CE} = -6V, I_C = -1mA$	120	560	
Collector-emitter saturation voltage	$V_{CE(sat)}$	V	$I_C = -50mA, I_B = -5mA$		-0.5	
Transition frequency	f_T	MHz	$V_{CE} = -12V, I_C = -2mA, f = 30MHz$		140	
Collector-base output capacitance	C_{ob}	pF	$V_{CB} = -12V, I_E = 0, f = 1MHz$		4	5



	Q	R	S
	120-270	180-390	270-560







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