

Epoxy meets UL-94 V-0 flammability rating
Halogen free available upon request by adding suffix "HF"
Moisture Sensitivity Level 1
Marking: J6

(Ta=25 unless otherwise noted)

Parameter	Symbol	Unit	Value
Collector-Base Voltage	V_{CB0}	V	50
Collector-Emitter Voltage	V_{CE0}	V	45
Emitter-Base Voltage	V_{EB0}	V	5
Collector Current	I_C	A	0.1
Collector Power Dissipation	P_C	W	0.2
Operation Junction Temperature	T_j		150
Storage Temperature	T_{stg}		-55 to +150 ‡ jItem

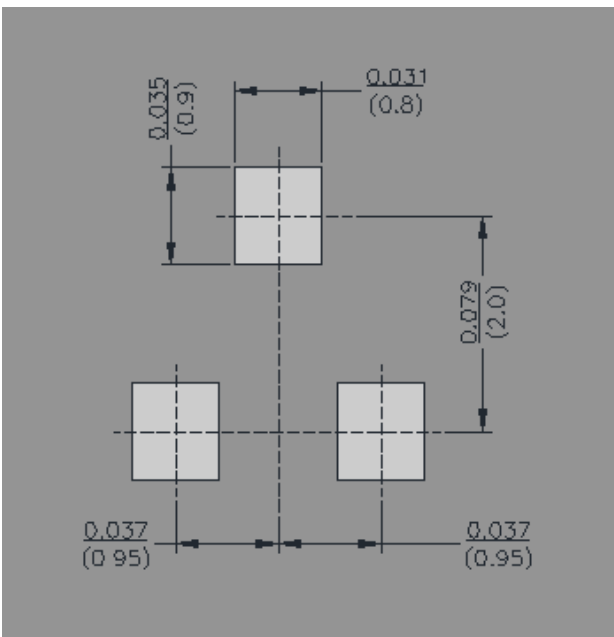
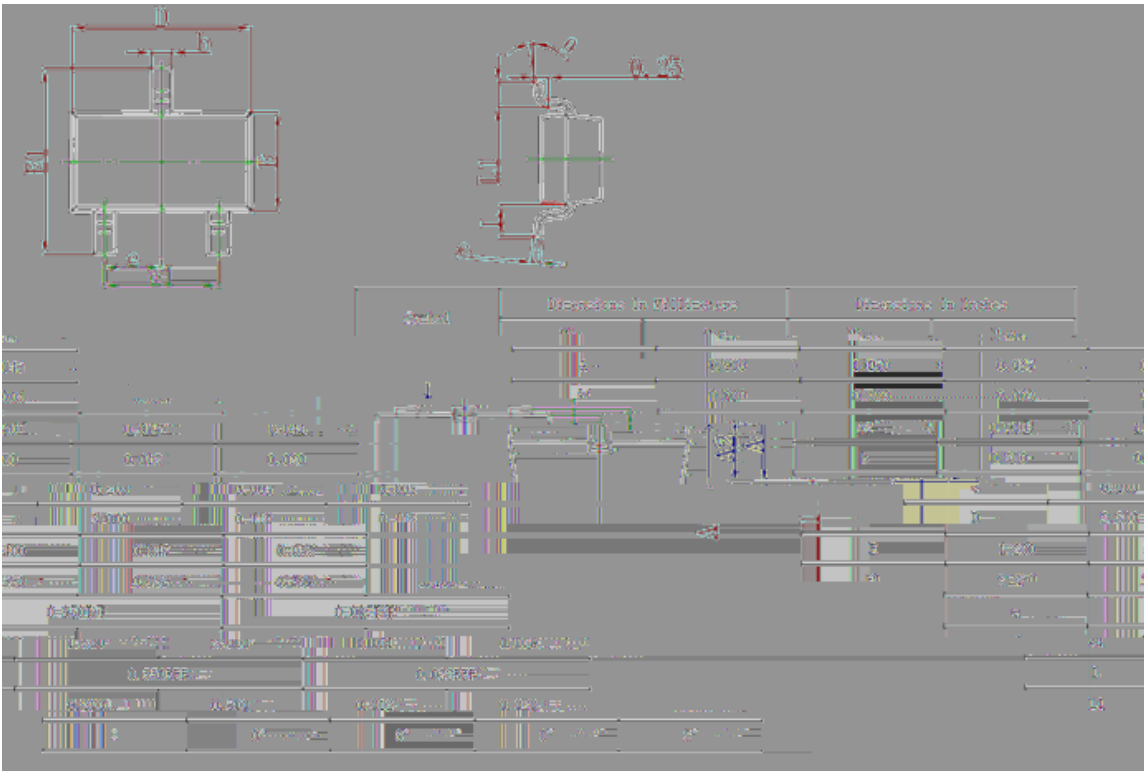
Parameter	Symbol	Unit	Conditions	Min	Typ	Max
Collector-base breakdown voltage	V_{CB0}	V	$I_C=100\mu A, I_E=0$	50		
Collector-emitter breakdown voltage	V_{CE0}	V				

Parameter	Symbol	Unit	Conditions	Min	Typ	Max
Emitter-Base cut-off current	I_{CEO}	μA	$V_{CE}=35V, I_B=0$			0.1
Emitter-Base cut-off current	I_{EBO}	μA	$V_{EB}=3V, I_C=0$			0.1
DC current gain	h_{FE}	V	$V_{CE}=5V, I_C=1mA$	200		1000
Collector-emitter saturation voltage	$V_{CE(sat)}$	V	$I_C=100mA, I_B=5mA$			0.3
Base-emitter saturation voltage	$V_{BE(sat)}$	V	$I_C=100mA, I_B=5mA$			1



(Example)

S9014	F2	Approximate 0.008	3000	30000	120000	7" reel





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