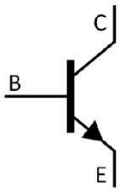
TO-92LM NPN Silicon NPN transistor in a TO-92LM Plastic Package.

, 2SA1145
High transition frequency, small collector output capacitance complementary pair with 2SA1145.

Audio frequency amplifier applications.





PIN1 Base PIN 2 Collector PIN 3 Emitter

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	150	V
Collector to Emitter Voltage	V_{CEO}	150	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current (DC)	I_C	50	mA
Base Current	I_B	5.0	mA
Collector Power Dissipation	P_C	800	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

.MUbGs HEUbGs$S

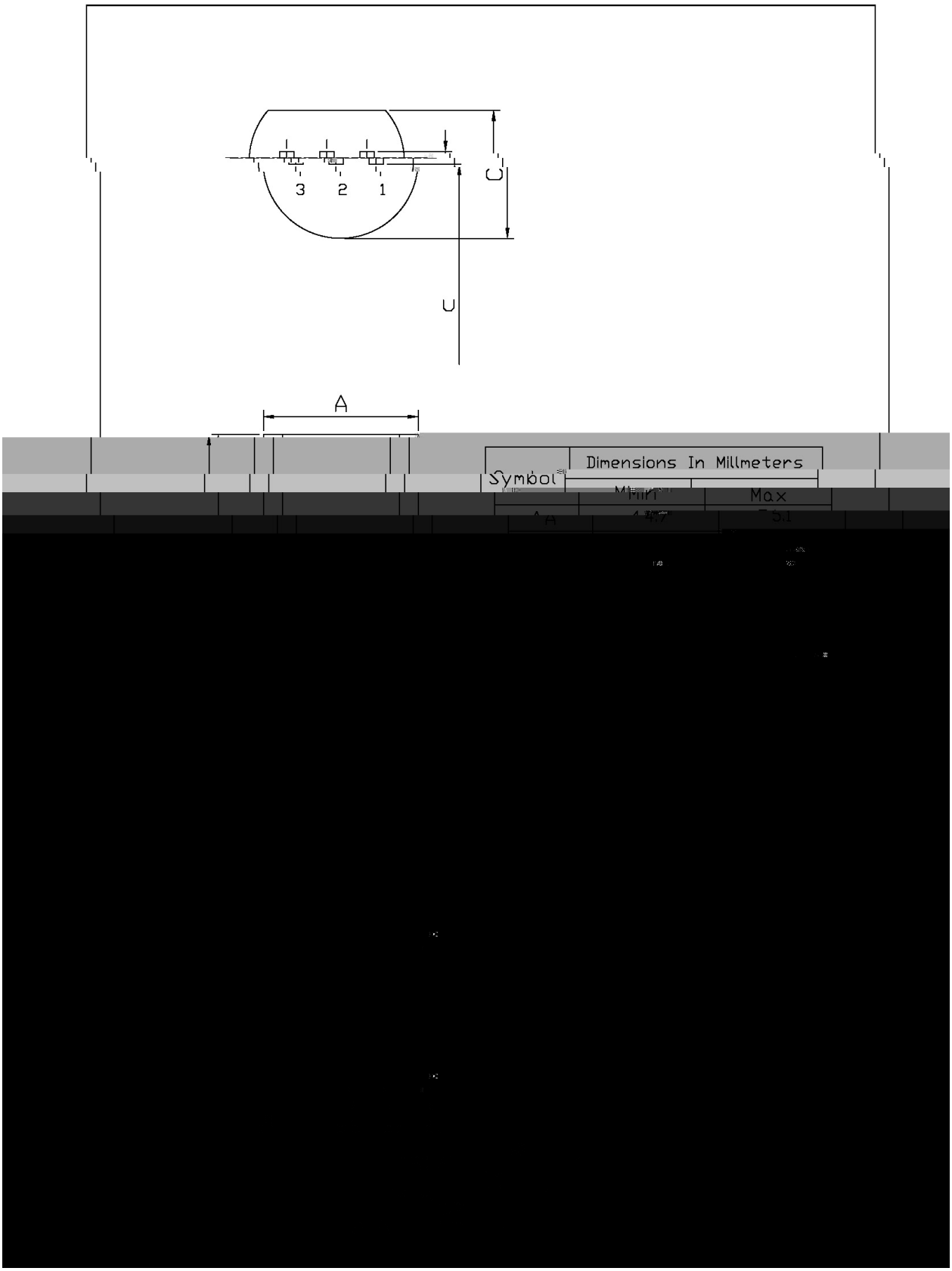
Parameter Symbol Test Conditions Min Typ Max

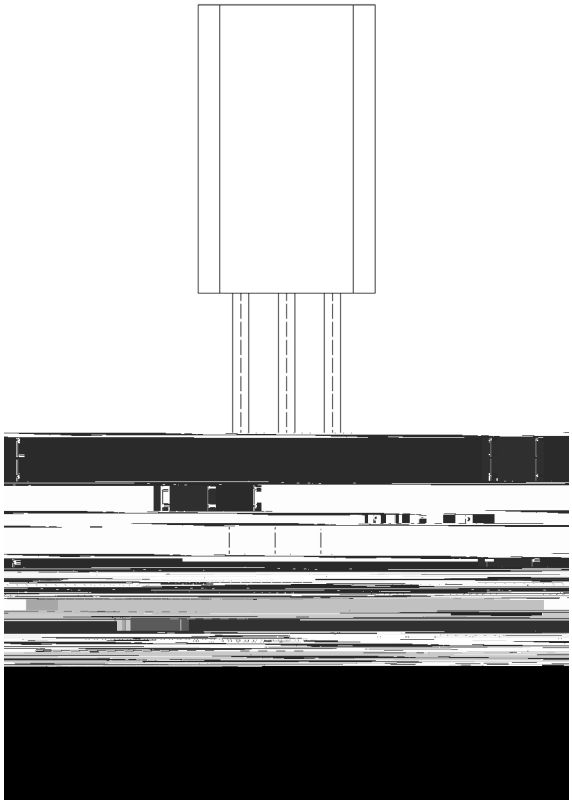
Cut-Off Current	I_{EBO}	$_{EB}$=5.0V I_C=0			0.1	A
DC Curent Gain	h_{FE}	V_{CE}=5.0V I_C=10mA	80		240	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=10mA I_B=1.0mA			1.0	V
Base to Emitter Voltage	V_{BE}	V_{CE}=5.0V I_C=10mA			0.8	V
Tansition Frequency	f_T	$_{CE}$=5.0V I_C=10mA		200		MHz
Collector output capacitance	C_{ob}	$_{CB}$=10V I_E=0 f=1.0MHz		1.8		pF

C

/ PackageDimensions

TO-92LM Unit: mm





( ) / Temperature Profile for Dip Soldering(Pb-Free)



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