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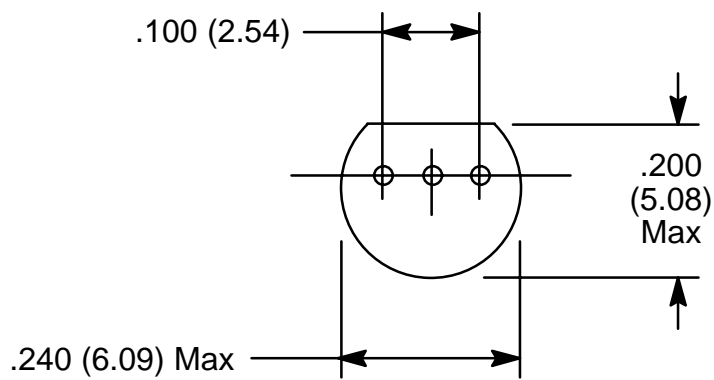
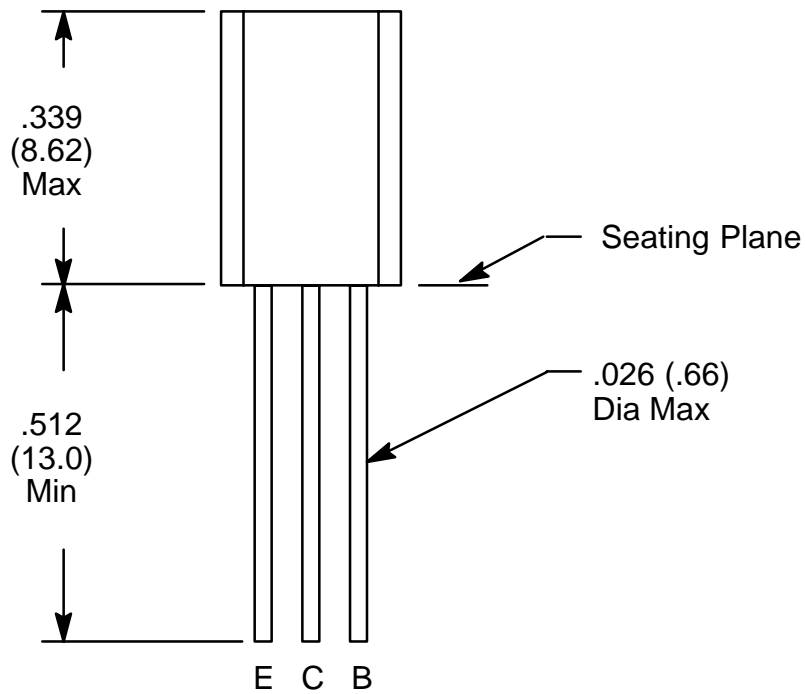
NTE399
Silicon NPN Transistor
High Voltage Video Amp
(Compl to NTE2366)

Absolute Maximum Ratings:

Collector–Base Voltage, V_{CBO}	300V
Collector–Emitter Voltage, V_{CEO}	300V
Emitter–Base Voltage, V_{EBO}	6V
Collector Current, I_C	
Continuous	100mA
Peak	300mA
Collector Power Dissipation, P_C	900mW
Operating Junction Temperature, T_J	+150°C
Storage Temperature Range, T_{stg}	-55° to +150°C

Electrical Characteristics: ($T_A = +25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cutoff Current	I_{CBO}	$V_{CB} = 200V, I_E = 0$	–	–	1.0	μA
Emitter Cutoff Current	I_{EBO}	$V_{EB} = 6V, I_C = 0$	–	–	1.0	μA
DC Current Gain	h_{FE}	$V_{CE} = 10V, I_C = 5mA$	100	–	220	
Current Gain–Bandwidth Product	f_T	$V_{CB} = 30V, I_C = 10mA$	50	–	–	MHz
Output Capacitance	C_{ob}	$V_{CB} = 10V, f = 1MHz$	–	–	7.5	pF
Collector–Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = 20mA, I_B = 2mA$	–	–	0.6	V
Base–Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C = 20mA, I_B = 2mA$	–	–	1.0	V



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