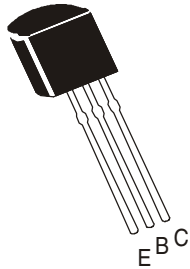


## NPN/PNP SILICON PLANAR EPITAXIAL TRANSISTORS



**MPSA05,MPSA06  
MPSA55,MPSA56**

**TO-92  
Plastic Package**

### Amplifier Transistors

#### ABSOLUTE MAXIMUM RATINGS(Ta=25°C unless otherwise specified)

DESCRIPTION	SYMBOL	MPSA05	MPSA06	UNITS
		MPSA55	MPSA56	
Collector Emitter Voltage	$V_{CEO}$	60	80	V
Collector Base Voltage	$V_{CBO}$	60	80	V
Emitter Base Voltage	$V_{EBO}$		4	V
Collector Current Continuous	$I_C$		500	mA
Total Device Dissipation@Ta=25°C	$P_D$		625	mW
Derate Above 25°C			5.0	mW/°C
Total Device Dissipation@ Tc=25°C	$P_D$		1.5	W
Derate Above 25°C			12	mW/°C
Operating And Storage Junction Temperature Range	$T_j, T_{stg}$		-55 to +150	°C
<b>THERMAL RESISTANCE</b>				
Junction to ambient	$R_{th(j-a)} (1)$		200	°C/mW
Junction to case	$R_{th(j-c)}$		83.3	°C/mW

**(1)  $R_{th(j-a)}$  is measured with the device soldered into a typical printed circuit board.**





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