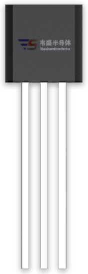
MPSA17 TRANSISTOR (NPN)

FEATURES

- High $V_{(BR)EBO}$: 12V



TO-92

ORDERING INFORMATION

Part Number	Package	Packing Method	Pack Quantity
MPSA17	TO-92	Bulk	1000pcs/Bag
MPSA17-TA	TO-92	Tape	2000pcs/Box

MAXIMUM RATINGS (T_a=25℃ unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{CEO}	Collector-Ease Voltage	40	V
V_{EBO}	Emitter-Base Voltage	12	V
I_C	Collector Current -Continuous	0.1	A
P_C	Collector Power Dissipation	300	mW
T_J,T_{stg}	Operation Junction and Storage Temperature Range	-55 to +150	℃

T_a=25℃ unless otherwise specified

Parameter	Symbol	Test conditions	Min	Max	Unit
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	I_C= 1mA, I_E=0	40		V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	I_E= 100μA, I_C=0	12		V
Collector cut-off current	I_{CBO}	V_{CB}=30V, I_E=0		0.1	μA
Emitter cut-off current	I_{EBO}	V_{EB}=10V, I_C=0		0.1	μA
DC current gain	h_{FE}	V_{CE}=10V, I_C=5mA	200	800	
Collector-emitter saturation voltage	$V_{CE(sat)}$	I_C= 10mA, I_B=1mA		0.25	V
Transition frequency	f_T	V_{CE}=10V,I_C=5mA,f=100MHz	80		MHz
Collector output capacitance	C_{ob}	V_{CB}=10V,I_E=0,f=1MHz		4	pF