



MPSH10/11 TRANSISTOR (NPN)

FEATURES

Power dissipation

P_{CM:} 0.35 W (Tamb=25°C)

Collector current

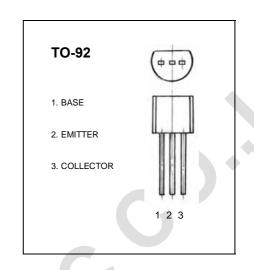
0.05 Α I_{CM}

Collector-base voltage

 $V_{(BR)CBO}$:

Operating and storage junction temperature range

 T_J , T_{stg} : -55°C to +150°C



unless otherwise specified) **ELECTRICAL CHARACTERISTICS (Tamb=25℃**

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Collector-base breakdown voltage	V(BR) _{CBO}	Ic= 100μA, I _E =0	30			V
Collector-emitter breakdown voltage	V(BR) _{CEO}	Ic= 1mA, I _B =0	25			V
Emitter-base breakdown voltage	V(BR) _{EBO}	I _E = 10μΑ, I _C =0	3			V
Collector cut-off current	Ісво	V _{CB} = 25V, I _E =0			0.1	μΑ
Collector cut-off current	I _{CEO}	V _{CE} = 20V, I _B =0			0.2	μΑ
Emitter cut-off current	I _{EBO}	V _{EB} = 2V, I _C =0			0.1	μΑ
DC current gain	h _{FE}	V _{CE} = 10V, I _C = 4mA	60		200	
Collector-emitter saturation voltage	V _{CE} (sat)	I _C =4mA, I _B =0.4mA			0.5	V
Collector-emitter voltage	V _{BE} (on)	V _{CE} =10V, I _C =4mA			0.95	V
Transition frequency	f⊤	V _{CE} = 10V, I _C =4mA f =100MHz	650			MHz