



TEST SPECIFICATION

Complementary Silicon Plastic Power Transistor

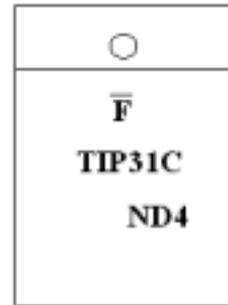
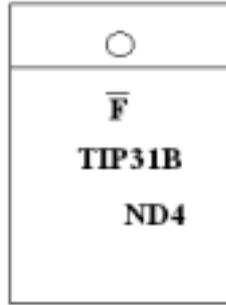
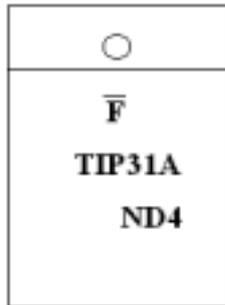
TIP31A/TIP31B/TIP31C

Package: TO-220

ISSUE DATE:2000/4/26 REV:A

Parameter	Test Condition	Test Specification	
		Min	Max
V _{CEO(SUS)}	I _C =30mA _{dc} , I _B =0, TIP31A	60V	-
	I _C =30mA _{dc} , I _B =0, TIP31B	80V	-
	I _C =30mA _{dc} , I _B =0, TIP31C	100V	-
I _{CEO}	V _{CE} =30V _{dc} , I _B =0, TIP31A	-	0.3mA
	V _{CE} =60V _{dc} , I _B =0, TIP31B/TIP31C	-	0.3mA
I _{CES}	V _{CE} =60V, V _{EB} =0, TIP31A	-	200μA
	V _{CE} =80V, V _{EB} =0, TIP31B	-	200μA
	V _{CE} =100V, V _{EB} =0, TIP31C	-	200μA
I _{EBO}	V _{BE} =5V, I _C =0, TIP31A/TIP31B/TIP31C	-	1.0mA
h _{FE}	I _C =1A, V _{CE} =4V	25	-
	I _C =3A, V _{CE} =4V	10	50
V _{CE(sat)}	I _C =3A, I _B =375mA	-	1.2V
V _{BE(on)}	I _C =3A, V _{CE} =4V	-	1.8V

MARKING:



FILE NO:TIP31

APPROVE :

