



HSCF2898

NPN EPITAXIAL PLANAR TRANSISTOR

Description

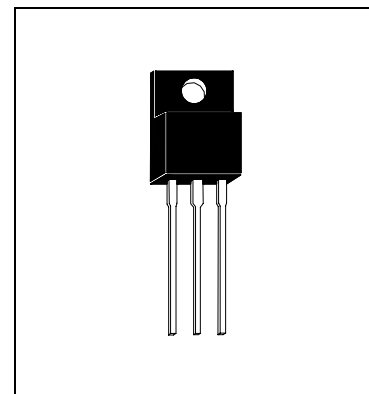
The HSCF2898 is designed for high voltage, high speed and high power switching.

Absolute Maximum Ratings (Ta=25°C)

- Maximum Temperatures
Storage Temperature -55~+150°C
Junction Temperature +150°C Maximum
- Maximum Power Dissipation
Total Power Dissipation (Tc=25°C) 35 W
- Maximum Voltages and Currents
BVCBO Collector to Base Voltage 500 V
BVCEO Collector to Emitter Voltage 400 V
BVEBO Emitter to Base Voltage 7 V
IC Collector Current 8 A
IB Base Current 4 A

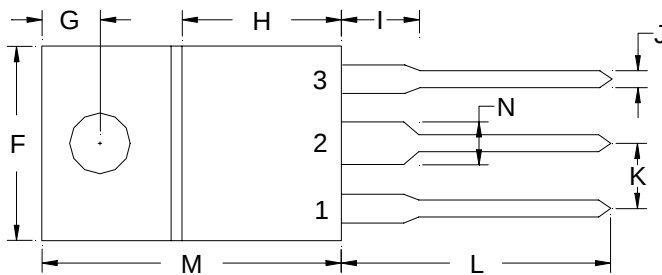
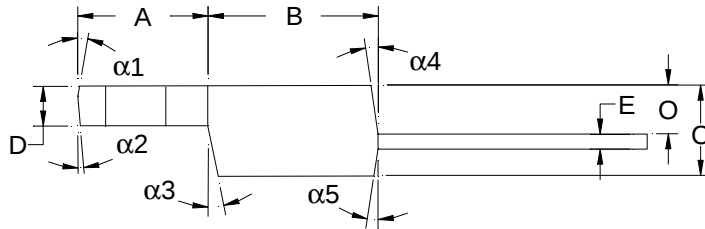
Characteristics (Ta=25°C)

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	500	-	-	V	IC=10mA
BVCEO	400	-	-	V	IC=10mA
BVEBO	7	-	-	V	IE=10mA
ICBO	-	-	50	uA	VCB=400V
ICEO	-	-	50	uA	VCE=350V
VCE(sat)	-	-	600	mV	IC=4A, IB=0.8A
VBE(sat)	-	-	1.5	V	IC=4A, IB=0.8A
hFE1	15	-	-		IC=4A, VCE=5V
hFE2	7	-	-		IC=8A, VCE=5V



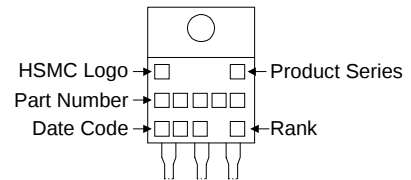


TO-220FP Dimension



3-Lead TO-220FP Plastic Package
HSMC Package Code : F

Marking :



Style : Pin 1.Base 2.Collector 3.Emitter

*:Typical

DIM	Inches		Millimeters		DIM	Inches		Millimeters	
	Min.	Max.	Min.	Max.		Min.	Max.	Min.	Max.
A	0.2480	0.2520	6.30	6.40	K	-	*0.1004	-	*2.55
B	0.3386	0.3425	8.60	8.70	L	0.5118	0.5906	13.00	15.00
C	0.1673	0.1870	4.25	4.75	M	0.5886	0.5925	14.95	15.05
D	0.1043	0.1083	2.65	2.75	N	-	*0.0669	-	*1.70
E	0.0230	0.0242	0.58	0.61	O	0.1098	0.1114	2.79	2.83
F	0.3980	0.4039	10.11	10.26	1	-	-2°	-	*2°
G	0.1083	0.1122	2.75	2.85	2	-	*5°	-	*5°
H	0.3386	0.3425	8.60	8.70	3	-	*15°	-	*15°
I	-	*0.1496	-	*3.80	4	-	*5°	-	*5°
J	-	*0.0236	-	*0.60	5	-	*5°	-	*5°

Notes : 1.Dimension and tolerance based on our Spec. dated Sep. 07,1997.

2.Controlling dimension : millimeters.

3.Maximum lead thickness includes lead finish thickness, and minimum lead thickness is the minimum thickness of base material.

4.If there is any question with packing specification or packing method, please contact your local HSMC sales office.

Material :

- Lead : 42 Alloy ; solder plating
- Mold Compound : Epoxy resin family, flammability solid burning class:UL94V-0

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