

SD1400-3**ELECTRICAL CHARACTERISTICS** ($T_{\text{case}} = 25^{\circ}\text{C}$)

STATIC

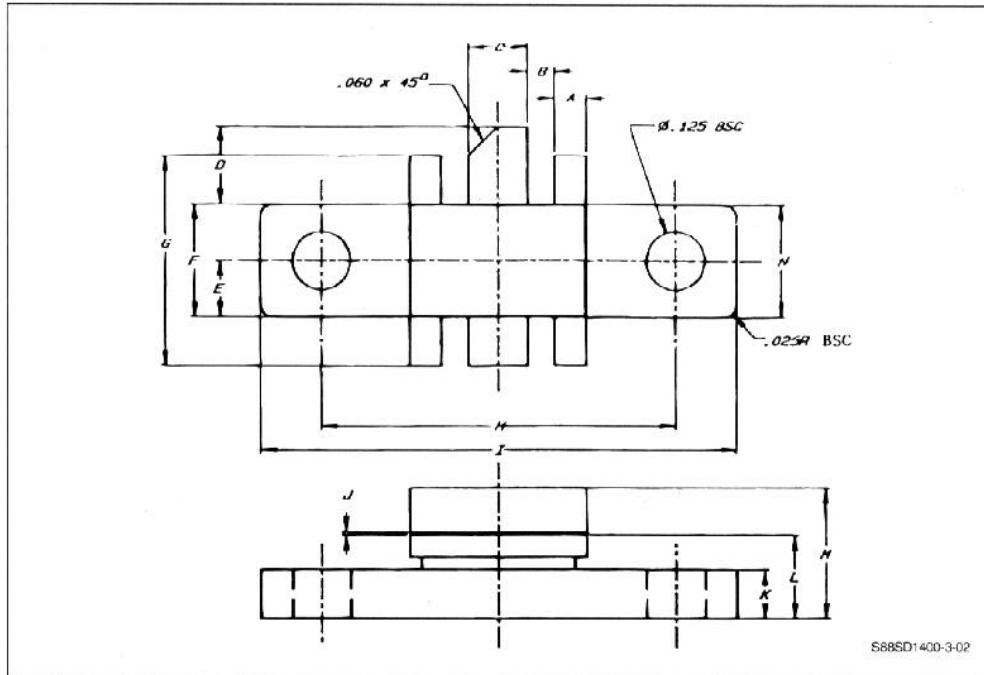
Symbol	Test Conditions		Value			Unit
			Min.	Typ.	Max.	
BV_{CES}	$I_{\text{C}} = 50.0\text{mA}$	$V_{\text{BE}} = 0$	55.0			V
BV_{CEO}	$I_{\text{C}} = 50.0\text{mA}$	$I_{\text{B}} = 0$	28.0			V
BV_{EBO}	$I_{\text{E}} = 10.0\text{mA}$	$I_{\text{C}} = 0$	4.0			V
I_{CBO}	$V_{\text{CB}} = 15\text{V}$	$I_{\text{E}} = 0$			2.5	mA
h_{FE}	$V_{\text{CE}} = 5.0\text{V}$	$I_{\text{C}} = 1.0\text{A}$	30.0			

DYNAMIC

Symbol	Test Conditions		Value			Unit
			Min.	Typ.	Max.	
P_{O}	$f = 960\text{MHz}$	$V_{\text{CE}} = 24\text{V}$	14.0			W
G_{P}	$f = 960\text{MHz}$	$V_{\text{CE}} = 24\text{V}$	9.5			dB
η_{C}	$f = 960\text{MHz}$	$V_{\text{CE}} = 24\text{V}$	50.0			%
C_{OB}	$f = 1\text{MHz}$	$V_{\text{CB}} = 24\text{V}$		12.5	18	pF

PACKAGE MECHANICAL DATA

.230 6LFL



	Minimum Inches/mm	Maximum Inches/mm
A	.135/3.43	.145/3.68
B	.125/3.18 BSC	
C	.380/9.65	.390/9.91
D	.885/22.48	
E	.392/9.96	.402/10.29
F	.645/16.38	.655/16.64

	Minimum Inches/mm	Maximum Inches/mm
G	.895/22.73	.905/22.99
H	.002/0.05	.006/0.15
I	.055/1.40	.065/1.65
J	.105/2.67	.125/3.18
K		.230/5.84
L	.392/9.96	.402/10.29