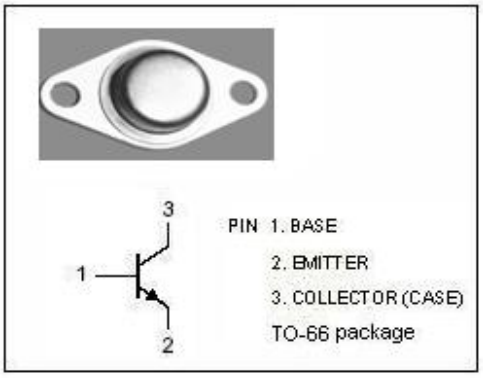
isc Silicon PNP Power Transistor 2N6423



DESCRIPTION

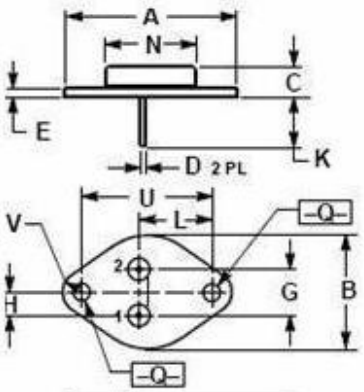
- Collector-Emitter Breakdown Voltage-
  : V_{CEO}=-300V(Min)
- Minimum Lot-to-Lot variations for robust device Performance and reliable operation

APPLICATIONS

- Power amplifier and switching applications

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-500	V
V_{CEO}	Collector-Emitter Voltage	-300	V
V_{EBO}	Emitter-Base Voltage	-6	V
I_C	Collector Current-Continuous	-2	A
P_D	Collector Power Dissipation @ T_C=25℃	35	W
T_J	Junction Temperature	-65~200	℃
T_{stg}	Storage Temperature Range	-65~200	℃



DIM	mm MIN	MAX
A	31.40	31.80
B	17.30	17.90
C	6.70	7.10
D	0.70	0.90
E	1.40	1.80
G	5.08	
H	2.54	
K	9.80	10.50
L	14.70	14.90
N	12.40	12.70
Q	3.60	3.80
U	24.30	24.50
V	3.50	3.70

isc Silicon PNP Power Transistor 2N6423

ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage	I_C=-50mA	-300			V
I_{EBO}	Emitter -Base Cutoff Current	V_{BE}=- 6V			-500	uA
I_{CEO}	Collector-Emitter Cutoff Current	V_{CB}=- 150V			-5	mA
$V_{CE(sat)-1}$	Collector-Emitter Saturation Voltage	I_C= -0.75A; I_B=-0.075A			-1	V
$V_{CE(sat)-2}$	Collector-Emitter Saturation Voltage	I_C= -1A; I_B=-0.125A			-1	V
$V_{BE(sat)-1}$	Base-Emitter Saturation Voltage	I_C= -0.75A; I_B=-0.075A			-1.8	V
$V_{BE(sat)-2}$	Base-Emitter Saturation Voltage	I_C= -1A; I_B=-0.125A			-1.8	V
h_{FE-1}	DC Current Gain	I_C=-0.75A; V_{CE}=-2V	10		100	
h_{FE-2}	DC Current Gain	I_C=-0.75A; V_{CE}= -10V	30		150	