

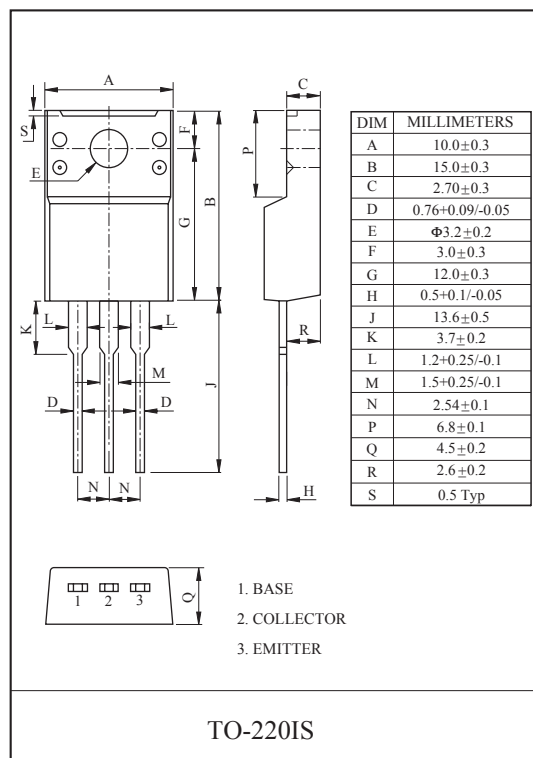
GENERAL PURPOSE DARLINGTON TRANSISTOR.

FEATURES

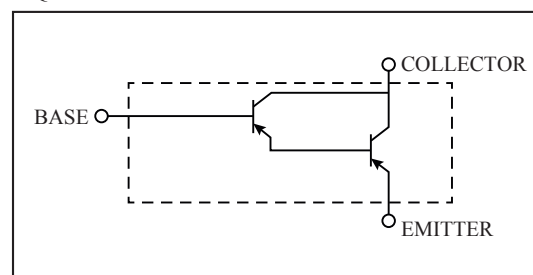
- High DC Current Gain : $h_{FE}=3000(\text{Min.})$ ($V_{CE}=-2V$, $I_C=-1A$)
- Complementary to KTD2424.

MAXIMUM RATING ($T_a=25^\circ\text{C}$)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	-80	V
Collector-Emitter Voltage	V_{CEO}	-60	V
Emitter-Base Voltage	V_{EBO}	-10	V
Collector Current	I_C	-3	A
Base Current	I_B	-0.5	A
Collector Power Dissipation ($T_c=25^\circ\text{C}$)	P_C	25	W
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-55 ~ 150	$^\circ\text{C}$



EQUIVALENT CIRCUIT

ELECTRICAL CHARACTERISTICS ($T_a=25^\circ\text{C}$)

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current		I _{CBO}	V _{CB} =-80V, I _E =0	-	-	-20	μA
Emitter Cut-off Current		I _{EBO}	V _{EB} =-10V, I _C =0	-	-	-100	μA
Collector-Emitter Breakdown Voltage		V _{(BR)CEO}	I _C =-10mA, I _B =0	-60	-	-	V
DC Current Gain		h _{FE} (1)	V _{CE} =-2V, I _C =-1A	3000	-	-	
		h _{FE} (2)	V _{CE} =-2V, I _C =-3A	1000	-	-	
Saturation Voltage	Collector-Emitter	V _{CE(sat)}	I _C =-3A, I _B =-30mA	-	-	-1.5	V
	Base-Emitter	V _{BE(sat)}	I _C =-3A, I _B =-30mA	-	-	-2.8	