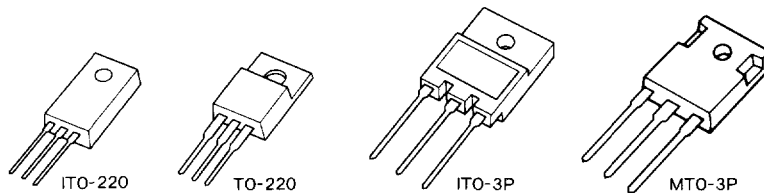


High Voltage · High Speed Switching Transistors

HFX series

Bipolar transistors (NPN)



Type No.	Absolute Maximum Ratings									Electrical Characteristics									Outline	
EIAJ No.	V _{CE0} [V]	V _{CE0} [V]	V _{EB0} [V]	I _C [A]	I _B [A]	P _T [W]	T _{stg} [°C]	T _J [°C]	V _{CE0} (sus) (min) [V]	h _{FE} (min)	V _{CE} (sat) (max) [V]	V _{BE} (sat) (max) [V]	θ _{JC} (max) [°C/W]	f _T (typ) [MHz]	t _{on} (max) [μs]	t _s (max) [μs]	t _f (max) [μs]	Package		
2SC4230	1,200	800	7	2	1	50	-55 150	150	800	8	1	1.5	2.5	8	0.5	3.5	0.3	TO-220	82-3	
4231				2	1	30							4.16					ITO-220	84-4	
4232				2	1	70							1.7					MTO-3P	88-2	
4233				3	1	60							2.08					TO-220	82-3	
4234				3	1	45							2.77					ITO-220	84-4	
4235				3	1	80							1.56					MTO-3P	88-2	
4236				6	3	100							1.25							
4237				10	4	150							0.83							
4583				3	1	50							2.5					ITO-3P	90-3	
4584				6	3	65							1.92							
4585				10	4	85							1.47							

Switching Transistors for Lighting Equipment

Bipolar transistors (NPN)

Type No.	Absolute Maximum Ratings								Electrical Characteristics									Outline	
EIAJ No.	V _{CE0} [V]	V _{CE0} [V]	V _{EB0} [V]	I _C [A]	I _B [A]	P _T [W]	T _{stg} [°C]	T _j [°C]	V _{CE0} (sus) (min) [V]	hFE (min)	V _{CE} (sat) (max) [V]	V _{BE} (sat) (max) [V]	θ _{jc} (max) [°C/W]	f _T (typ) [MHz]	t _{on} (max) [μs]	t _s (max) [μs]	t _f (max) [μs]		
2SC4940	1200	550	7	4	2	30	-55 150	150	550	10	1	1.5	4.16	10	0.8	3.0	0.3	ITO-220	84-4
4941	1500	800		6	3	65			800	15	0.5		1.92	8		3.5		ITO-3P	90-3
5382	1200	550	9	6	3	40	-55 150	150	550	10	1	1.5	3.13	—	1.3	4.0	0.3	FTO-220	86-3