

ZETEX SEMICONDUCTORS

CENTRE COLLECTOR E-LINE 'SM'

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Centre Collector E-line SM Medium Power

Type	V_{CB0} V	V_{CE0} V	Max. Cont. I_C mA	Max. $V_{CE(sat)}$ at			h_{FE} at			Min. f_T at		P_{tot} at $T_{amb}=25^{\circ}C$ mW	Complement
				V	I_C mA	I_B mA	Min.	Max.	I_C mA	MHz	I_C mA		
NPN													
FXT455SM	160	140	1000	0.2	150	15	100	300	150	100	50	1000	FXT555SM
FXT453SM	120	100	1000	0.2	150	15	40	200	150	150	50	1000	FXT553SM
FXT56SM	100	80	1000	0.5	500	50	40	250	150	150	50	1000	FXT53SM
FXT451SM	80	60	1000	0.5	150	15	50	150	150	150	50	1000	FXT551SM
FXT55SM	60	60	1000	0.5	500	50	40	250	150	150	50	1000	FXT52SM
FXT450SM	60	45	1000	0.5	150	15	100	300	150	50	50	1000	FXT550SM
FXT54SM	45	45	1000	0.5	500	50	40	250	150	150	50	1000	FXT51SM
FXT449SM	50	30	1000	0.5	1000	100	100	300	500	150	50	1000	FXT549SM
FXT68SM	25	20	1000	0.5	1000	100	85	375	500	150	50	1000	FXT69SM
PNP													
FXT557SM	300	300	500	0.3	50	5	50	300	50	75	50	1000	—
FXT555SM	160	150	1000	0.3	100	10	50	300	300	100	50	1000	FXT455SM
FXT553SM	120	100	1000	0.3	150	15	50	200	150	150	50	1000	FXT453SM
FXT53SM	100	80	1000	0.5	500	50	40	250	150	150	50	1000	FXT56SM
FXT551SM	80	60	1000	0.5	150	15	50	150	150	150	50	1000	FXT451SM
FXT52SM	60	60	1000	0.5	500	50	40	250	150	150	50	1000	FXT55SM
FXT550SM	60	45	1000	0.5	150	15	100	300	150	150	50	1000	FXT450SM
FXT51SM	45	45	1000	0.5	500	50	40	250	150	150	50	1000	FXT54SM
FXT549SM	35	30	1000	0.5	1000	100	100	300	1000	100	100	1000	FXT449SM
FXT69SM	25	20	1000	0.5	1000	100	85	375	500	150	50	1000	FXT68SM

Centre Collector E-line SM Super E-line

Type	V_{CB0} V	V_{CE0} V	Max. Cont. I_C mA	Max. I_{CM} A	Max. $V_{CE(sat)}$ at			h_{FE} at			Min. f_T at MHz	P_{tot} at $T_{amb}=25^{\circ}C$ mW	Complement	
					V	I_C mA	I_B mA	Min.	Max.	I_C mA				
						I_C mA	I_B mA			I_C mA				
NPN														
FXT657SM	300	300	500	1	0.5	100	10	50	—	100	30	10	1000	FXT757SM
FXT655SM	150	150	1000	2	0.5	1000	200	50	—	500	30	10	1000	FXT755SM
FXT653SM	120	100	2000	6	0.3	1000	100	100	300	500	140	100	1000	FXT753SM
FXT651SM	80	60	2000	6	0.3	1000	100	100	300	500	140	100	1000	FXT751SM
FXT649SM	35	25	2000	6	0.3	1000	100	100	300	1000	150	100	1000	FXT749SM
PNP														
FXT757SM	300	300	500	1	0.5	100	10	50	—	100	30	10	1000	FXT657SM
FXT755SM	150	150	1000	2	0.5	1000	200	50	—	500	30	10	1000	FXT655SM
FXT753SM	120	100	2000	6	0.3	1000	100	100	300	500	100	100	1000	FXT653SM
FXT751SM	80	60	2000	6	0.3	1000	100	100	300	500	100	100	1000	FXT651SM
FXT749SM	35	25	2000	6	0.3	1000	100	100	300	1000	100	100	1000	FXT649SM

Centre Collector E-line SM RF Transistors

Type	V_{CBO} V	V_{CEO} V	Max. Cont. I_C mA	Max. $V_{CE(sat)}$ at			Min.	h_{FE} at		P_{out} at	
				V	I_C	I_B		Max.	I_C	mW	f MHz
					mA	mA					
NPN FXT3866SM	55	30	400	1.0	100	20	15	200	50	700	400