

3 CENTRE COLLECTOR E-LINE 'SM'

ZETEX SEMICONDUCTORS

Centre Collector E-line SM NPN Darlington's

Type	V _{CB0} V	V _{CEO} V	Max. Cont. I _c mA	Max. V _{CE(sat)} at			h _{FE} at			Max. I _{CB0} at nA	P _{tot} at T _{amb} = 25°C mW	
				V	I _c mA	I _B mA	Min.	Max.	I _c mA			
FXT601BSM	180	160	1000	1.2	1000	10	2k	100K	500	100	160	1000
FXT605SM	140	120	1000	1.5	1000	1	2k	100k	1000	100	120	1000
FXT603SM	100	80	1000	1.0	1000	1	2k	100k	1000	100	80	1000
FXT38CSM	80	60	1000	1.25	800	8	10k	—	500	100	60	1000

Centre Collector E-line SM High Voltage Transistors

Type	V _{CB0} V	V _{CEO} V	Max. I _c mA	Max. V _{CE(sat)} at			h _{FE} at			Max. I _{CB0} at μA	P _{tot} at T _{amb} = 25°C mW	Complement	
				V	I _c mA	I _B mA	Min.	Max.	I _c mA				
NPN													
FXTA42SM	300	300	500	0.5	20	2.0	40	—	10	0.10	200	680	FXTA92SM
PNP													
FXTA92SM	300	300	500	0.5	20	2.0	40	—	10	0.25	200	680	FXTA42SM

Centre Collector E-line SM Switching Transistors

Type	V _{CEO} V	Max. I _c mA	Max. V _{CE(sat)} at			h _{FE} at			Min. F _T at MHz	Max. switching times at			Complement	
			V	I _c mA	I _B mA	Min.	Max.	I _c mA		t _{on} ns	t _{off} ns	I _c mA		
NPN														
FXT2222ASM	40	800	1.0	500	50	100	300	150	300	20	35	285	150	FXT2907ASM
FXT3904SM	40	200	0.2	10	1	100	300	10	300	10	70	250	10	FXT3906SM
FXT2222SM	30	800	1.6	500	50	100	300	150	250	20	35	285	150	FXT2907SM
PNP														
FXT2907ASM	60	600	1.6	500	50	100	300	150	200	50	50	110	150	FXT2222ASM
FXT3906SM	40	200	0.25	10	1	100	300	10	250	10	70	300	10	FXT3904SM
FXT2907SM	40	600	1.6	500	50	100	300	150	200	15	50	110	150	FXT2222SM

Centre Collector E-line SM Mosfets

Part Number	BV _{OSS} V	I _D mA	I _{DM} A	V _{GS(th)} at I _D			Ω at Max.	R _{DS(on)} I _D mA	V _{GS} V	P _D W
				V Min.	Max.	I _D mA				
N Channel										
ZVN4206C	60	600	8	1.3	3	1	2	1000	10	0.7
P Channel										
ZVP2106C	60	280	4	1.5	3.5	1	5	500	10	0.7