Germanium Power Transistors

PNP Germanium AF Alloy Power Transistors in TO3 metal case

Type	Maximum ratings						Characteristics @ T_{amb} = 25°C				
	BV_{CEO} V	BV_{CBO} V	BV_{EBO} V	I_{CM} A	P_{TOT}[1] W	T_{JM} °C	h_{FE} (V_{CE}/I_C) (V/A)	$V_{CE\ sat}$ (I_C/I_B) V (A/A)	f_T kHz	max I_{CBO} uA	(V_{CB}) (V)
AD 140	40	55	10	3.0	43	90	30 ... 100 (1.0/1.0)	< 0.6 (3.0/0.3)	430	100	(5)
AD 149	30	50	20	3.5	37.5	100	20 ... 85 (0/3.0)	< 0.6 (3.0/0.3)	430	30	(14)
NKT 401	60	90	40	10	50	90	25 ... 75 (1.0/1.0)	< 0.84 (6.0/0.6)	350	150	(30)
NKT 402	32	60	20	10	50	90	60 ... 180 (1.0/1.0)	< 0.84 (6.0/0.6)	350	150	(30)
NKT 403	32	80	40	10	50	90	50 ... 150 (1.0/1.0)	< 0.42 (1.0/0.1)	350	150	(30)
NKT 404	32	60	20	10	50	90	50 ... 150 (1.0/1.0)	< 0.42 (1.0/0.1)	350	150	(30)
NKT 405	—	60	20	5.0	50	90	100 ... 200 (1.0/1.0)	< 0.42 (1.0/0.1)	350	150	(30)
NKT 406	32	60	20	10	50	90	30 ... 50 (1.0/1.0)	< 0.42 (1.0/0.1)	350	150	(30)
NKT 420	—	120	50	5.0	43	90	30 ... 90 (1.0/1.0)	< 0.48 (1.0/0.1)	350	150	(30)
NKT 451	—	36	10	3.0	43	90	50 ... 150 (1.0/1.0)	—	—	150	(15)
NKT 452	—	36	10	3.0	43	90	30 ... 90 (1.0/1.0)	—	—	150	(15)
NKT 453	—	36	10	3.0	43	90	15 ... 45 (1.0/1.0)	—	—	150	(15)
OC 19	16	32	10	3.0	50	90	10 ... 56 (1.0/2.0)	< 0.8 (3.0/0.45)	—	100	(14)
OC 20	75	100	40	10	43	90	25 ... 75 (1.0/1.0)	< 0.84 (6.0/0.6)	250	—	
OC 25	40	40	10	4.0	32.5	90	15 ... 80 (1.0/1.0)	—	250	100	(0.5)
OC 28	60	80	40	10	50	90	20 ... 55 (1.0/1.0)	—	250	100	(0.5)
OC 29	32	60	20	10	50	90	45 ... 130 (1.0/1.0)	—	250	100	(0.5)
OC 35	32	60	20	10	50	90	25 ... 75 (1.0/1.0)	—	250	100	(0.5)
OC 36	32	80	40	10	50	90	30 ... 110 (1.0/1.0)	—	250	100	(0.5)

1 T_{case} = 25°C