

SERIES 2N TRANSISTORS

• Small-signal TO-92 plastic transistors. JEDEC '2N' registered types.

Bottom View		PI	NNING		
CT/CZ		CZ-2			
Style	1	2	3		
CT	E	В	С	μ"	ugg
CZ	E	C	В	CT/CZ	CZ-2
CZ-2	E	C	В	1 31702	02 L

FOR PACKAGE DIMENSIONS, SEE PAGE 112.

Catalog	Case	P _D	Dolority	V _{CBO}	V _{CEO}	V _{EBO}	I _{CBO}	V _{CB}	ı	1 _{FE}	d s	V _{CE}	V _{CE(SA}	T)	V _{BE(SAT)}	l _c	C _{ob} (pF)	f ₁ (MF		a lc	t _{off} (ns)	NF Test (dB) @ Cond.
Number	Style	$T_A = 25^{\circ}C$ (mW)	Polarity	(V) Min.	(V) Min.	(V) Min.	(nA) Max.	@ (V)	Min.	Max.	@ & (mA)	(V)	(V) Max.	Min.	Max.	(mA)	Max.	Min.	Max.	(mA)	Max.	Max. (note)
2N2711	CZ	360	NPN	18	18	5	500	18	30	90	2	4.5				_	12					
2N2712	CZ	360	NPN	18	18	5	500	18	75	225	2	4.5					12					
2N2713	CZ	360	NPN	18	18	5	100	18	30	90	2	4.5	0.30	_	1.3	50						
2N2714	CZ	360	NPN	18	18	5	100	18	75	225	2	4.5	0.30		1.3	50						
2N2923	CZ	360	NPN	25	25	5	100	25	90	180	2	10				$=$ \downarrow	10					
2N2924	CZ	360	NPN	25	25	5 5	100	25 25	235	300 470	2	10		_			10		_			
2N2925 2N2926(2)	CZ CZ	360 360	NPN NPN	25 25	25 25	5	100 500	18	35	470(1)	2	10					10					
2N3390	CZ	360	NPN	18	18	5	100	18	400	800	2	4.5					10		_			
2N3391	CZ	360	NPN	25	25	5	100	25	250	500	2	4.5		_			10					
2N3391A	CZ	360	NPN	25	25	5	100	25	250	500	2	4.5	-				10					5 3
2N3392	CZ	360	NPN	25	25	5	100	25	150	300	2	4.5				_	10			_		
2N3393	CZ	360	NPN	25	25	5	100	25	90	180	2	4.5				~	10				_	
2N3394	CZ	360	NPN	25	25	5	100	25	55	110	2	4.5				_	10			_		
2N3395(2)	CZ	360	NPN	25	25	5	100	25	150	500	2	4.5	_				10				_	
2N3396(2)	CZ	360	NPN	25	25	5	100	25	90	500	2	4.5		_			10		_	_		
2N3397(2)	CZ	360	NPN	25	25	5	100	25	55	500	2	4.5				_	10					
2N3398(2)	CZ	360	NPN	25	25	5	100	25	55	800	2	4.5					10					
2N3402	CZ-2	900	NPN	25	25	5	100	25	75	225	2	4.5	0.30	_	0.85	50						
2N3403	CZ-2	900	NPN	25	25	5	100	25	180	540	2	4.5	0.30		0.85	50	-					
2N3404	CZ-2	900	NPN	50	50	5	100	50	75	225	2	4.5	0.30	_	0.85	50						
2N3405	CZ-2	900	NPN	50	50	5	100	50	180	540	2	4.5	0.30		0.85	50 50						
2N3414 2N3415	CZ CZ	360 360	NPN NPN	25 25	25 25	5	100	25 25	75 180	225 540	2 2	4.5	0.30		0.85	50			_			
2N3415 2N3416	CZ	360	NPN	50	50	5	100	50	75	225	2	4.5	0.30		0.85	50	_		=			
2N3417	CZ	360	NPN	50	- 50	5	100	50	180	540	2	4.5	0.30		0.85	50						
2N3702	CZ	360	PNP	- 40	- 25	5	- 100	- 20	60	500	<u></u>	5	- 0.25			50	12	100		- 50		
2N3703	CZ	360	PNP	- 50	- 30	– 5	-100	- 20	30	150	- 50	-5	-0.25			- 50	12	100		– 50		
2N3704	CZ	360	NPN	50	30	5	100	20	100	300	50	2	0.60	0.5	1	100	12	100	_	50		
2N3705	CZ	360	NPN	50	30	5	100	20	50	150	50	2	0.80	0.5	1	100	12	100	_	50		
2N3706	CZ	360	NPN	40	20	5	100	20	30	600	50	2	1.0	0.5	1	100	12	100		50		
2N3707	CZ	360	NPN	30	30	6	100	20	100	400	0.1	5	1			10	_					5 3
2N3708	CZ	360	NPN	30	30	6	100	20	45	660	1	5	1			10		_				
2N3709	CZ	360	NPN	30	30	6	100	20	45	165		5	<u> </u>			10						
2N3710	CZ	360	NPN	30	30	6	100	20	90	330	<u>1</u>	5	1			10		_				
2N3711	CZ	360	NPN	30	30	6	100	20	180	660	•	5	1			10	10					
2N3721 2N3827	CZ	360 360	NPN NPN	18 60	18 45	5 4	500 100	18 30	100	400	10	10	0.250		******	10	3.5	200	800	10		
2N3858	CZ	360	NPN	30	30	4	50	40	60	120	2	4.5	1			10		90	250	2		
2N3858A	CZ	360	NPN	60	60	6	50	60	60	120	2	4.5	0.250		0.78	10		90	250	2		
211000011	02	000	'''' '		00	J			60		10	1	0.200		0.70							
2N3859	CZ	360	NPN	30	30	4	50	40	100	200	2	4.5	1			10		90	250	2		
2N3859A	CZ	360	NPN	60	60	6	50	60	100		10	1	0.250		0.78	10	_	90	250	2		
2N3860	CZ	360	NPN	40	40	5	_		150	300	2	4.5	1	_	0.78	10		90	250	2		
2N3877	CZ	360	NPN	70	70	4	100	70	20	250	2	4.5	1		0.90	10	******		_			
2N3877A	CZ	360	NPN	85	85	4_	100	70	20	250	2	4.5	1		0.90	10						
2N3900	CZ	360	NPN	18	18	5	100	18	250		2	4.5										<u> </u>
2N3900A	CZ	360	NPN	18	18	5	100	18	250	500	2	4.5										5 4
2N3901	CZ	360	NPN	18	18	5	10	15	330	700	2	4.5										



Catalog Number	Case Style	P_0 $T_A = 25^{\circ}C$	Polarity	V _{CBO} (V)	V _{CEO} (V)	V _{EBO} (V)		V _{CB}			(a (m4)	V _{CE}	V _{CE(S} (V)			(mA)	C _{ob} (pF)		Hz)	c @ (m4)	t _{off} (ns)		Test Cond.
2N3903	СТ	(mW) 360	NPN	Min. 60	Min. 40	Min.	Max. 50	(V)	Min. 20	Max.	(mA) 0.1	(V) 1	Max. 0.2	Min.	Max.	(mA) 10	Max.	250	Max.	(mA) 10	Max. 225 ⁽¹⁷⁾	Max.	(note)
2.10000	, v.	000	,						35 50 30 15	150 —	1 10 50 100	1 1 1 1	0.3			50	·	200		10			v
2N3904	CT	360	NPN	60	40	6	50		40		0.1	1	0.2			10	4	300		10	250 ⁽¹⁷⁾	5	6
									70 100 60 30	300 —	1 10 50 100	1 1 1 1	0.3	_	_	50							
2N3905	CT	360	PNP	-40	- 40	– 5	- 50		30		-0.1	-1	- 0.25			- 10	4.5	200		-10	260(17)	5	6
									40 50 30 15	150 —	$ \begin{array}{r} -1 \\ -10 \\ -50 \\ -100 \end{array} $	$ \begin{array}{r} -1 \\ -1 \\ -1 \\ -1 \end{array} $	- 0.40	_	- 0.95	- 50							
2N3906	СТ	360	PNP	-40	-40	– 5	- 50	_	60	_	- 0.1	-1			- 0.85		4.5	250	_	-10	260(17)	4	6
									80 100 60 30	300 —	$ \begin{array}{r} -1 \\ -10 \\ -50 \\ -100 \end{array} $	$ \begin{array}{r} -1 \\ -1 \\ -1 \\ -1 \end{array} $	- 0.40	_	- 0.95	50							
2N3973	CZ	360	NPN	60	30	5	500	40	35 30	100	10 150	1 1	0.30	_	1.7	150	_			_	_	_	
2N3974	CZ	360	NPN	60	30	5	500	40	55	200	10	1	0.30		1.7	150		_	_				
2N3975	CZ	360	NPN	60	30	5	500	40	50 35	100	150 10	$\frac{-1}{1}$	0.30		1.7	150		_				7	
2N3976	CZ	360	NPN	60	30	5	500	40	30 55	200	150 10	1 1	0.30		1.7	150			-		_	7	
	07	200	DAID	20	20		100		50	_	150	1										Е	<u> </u>
2N4058 2N4059	CZ	360 360	PNP	-30 -30	- 30 - 30	$-6 \\ -6$	-100 -100	- 20 - 20	100 45	400 660	- 0.1 - 1	-5 -5	-0.70 -0.70	_		$\frac{-10}{-10}$			=		_	5	
2N4060	CZ	360	PNP	-30	- 30	-6	- 100	- 20	45	165	-1	- 5	- 0.70			- 10							
2N4061	CZ	360	PNP	- 30	- 30	- 6	- 100	- 20	90	330	-1	- 5	- 0.70			-10			_	_	_		
2N4062	CZ	360	PNP	-30	- 30	-6	- 100	– 20	180	660	-1	- 5	- 0.70			-10	_	_	_				
2N4123	СТ	500	NPN	40	30	5	50	20	50 25	150	2 50	1 1	0.30		0.95	50	4	250		- 10	_	6	6
2N4124	СТ	500	NPN	30	25	5	50	20	120 60	360	2 50	1 1	0.30	_	0.95	50	4	300	_	10	_	5	6
2N4125	СТ	500	PNP	- 30	- 30	-4	50	- 20	50 25	150	- 2 - 50	-1 -1	- 0.40		- 0.95	- 50	4.5	200	_	-10	_	5	6
2N4126	СТ	500	PNP	-25	– 25	-4	- 50	– 20		360	- 2 - 50	-1 -1	- 0.40	_	- 0.95	- 50	4.5	200	_	-10		4	6
2N4256	CZ	360	NPN	30	30	5	500	30	100 60 20	500	2 10 50	4.5	0.20	_	0.92	50	4	_		_	100(18)	_	
2N4264	СТ	310	NPN	30	15	6		_	25		1	1	0.22	0.65		10	4	300	_	10	35(19)		
									40 40 30 20	160 — —	10 30 100 200	1 1 1	0.35	0.75	0.95	100					_		
2N4265	СТ	310	NPN	30	12	6	_	_	50 100 90 55	400 —	1 10 30 100	1 1 1 1	0.22 0.35	0.65 0.75	0.80 0.95	10 100	4	300		10	35 ⁽¹⁹⁾		
ON 4 4 0 0	OT	250	NDN		10		1000		35	_	200	1	0.40	0.75	0.05	150	٥.	000			205(20)		
2N4400	СТ	350	NPN	60	40	6	100(5)	7-126-7-1260	20 40 50 20	 150 	1 10 150 500	1 1 1 2	0.40 0.75	0.75 —	0.95 1.2	150 500	6.5	200	_	20	225(20)	_	_
2N4401	СТ	350	NPN	60	40	6	100(5)		20 40		0.1	1 1	0.40 0.75	0.75	0.95	150 500	6.5	250	_	20	225(20)	_	
									80 100 40	300	10 150 500	1 1 1 2	0.73	_	1.2	300							
2N4402	СТ	310	PNP	-40	40	- 5	- 100 ⁽⁵⁾		30 50 50 20	150	$ \begin{array}{r} -1 \\ -10 \\ -150 \\ -500 \end{array} $	$ \begin{array}{r} -1 \\ -1 \\ -2 \\ -2 \end{array} $	- 0.40 - 0.75	— 0.75 —	- 0.95 - 1.3	- 150 - 500	8.5	150	_	- 20	225(20)		



SEKII		Z	KMI	131		KJ,	COIII		Cu														
Catalog Number	Case Style	P_D $T_A = 25^{\circ}C$ (mW)	Polarity	V _{CBO} (V) Min.	V _{CEO} (V) Min.	V _{EBO} (V) Min.	I _{CBO} (nA) @ Max.	V _{CB}	h _{Fl} Min.		l _C @(mA)	V _{CE} & (V)	V _{CE(S} A (V) Max.	ιη Min.	V _{BE(SAT)} & (V) Max.	I _C @ (mA)	C _{ob} (pF) Max.	f (Mi Min.		_C @ (mA)	t _{off} (ns) Max.		Test Cond. (note)
2N4403	CT	310	PNP	-40		-5	$-100^{(5)}$	_	30		- 0.1	-1		- 0.75		- 150 500	8.5	200	_	-20	225(26)		_
									60 100 100 20	300	$ \begin{array}{r} -1 \\ -10 \\ -150 \\ -500 \end{array} $	$ \begin{array}{c c} -1 \\ -1 \\ -2 \\ -2 \end{array} $	- 0.75		-1.3	- 500							
2N4409	CT	625	NPN	80	50	5	10	60	60 60	400	1 10	1 1	0.2	_	0.8	1	_	60	300	10			
2N4410	CT	625	NPN	120	80	5	10	100	60 60	400	1 10	1	0.2		0.8	1		60	300	10			
2N4424	CZ	360	NPN	60	40	5	30	40	180	540	2	4.5	0.3		0.85	50			_			_	
2N4425	CZ-1	900	NPN	60	40	5	30	40	180	540	2	4.5	0.3	_	0.85	50	_						
2N4951	CZ	360	NPN	60	30	5	50	40	20 40 60	200	1 10 150	10 10 10	0.3		1.3	150	8	250	_	20	350(20)		
2N4952	CZ	360	NPN	60	30	5	50	40	50 75 100	300	1 10 150	10 10 10	0.3	_	1.3	150	8	250	_	20	350(20)		
2N4953	CZ	360	NPN	60	30	5	50	40	75 150	_	1 10	10 10	0.3		1.3	150	8	250	_	20	400(20)		
2N4954	CZ	360	NPN	40	30	5	50	30	200 20 40	600	150 1 10	10 10 10	0.3	-	1.3	150	8	250		20	400(20)	_	
2N5087	CT	350	PNP	- 50	- 50	_	- 50	- 35	250 250	600 800	150 - 0.1	10 - 5	-0.3			- 10	4	40		- 0.5		2 2	6 7
									250 250	_	$-1 \\ -10$	- 5 - 5											
2N5088	СТ	350	NPN	35	30		50	20	300 350 300	900	0.1 1 10	5 5 5	0.5			10	4	_	_		 !	3	8
2N5089	СТ	350	NPN	35	30	_	50	15	400 450	1200	0.1 1 10	5 5 5	0.5	_		10	4	-	_		_	2	8
2N5172	CZ	360	NPN	25	25	5	100	25	400 100	500	10	$\frac{3}{10}$	0.25			10	10	-	_		_	<u> </u>	
2N5172 2N5174	CZ	360	NPN	90		5	500	60		600	0.1 10	5 5	0.95	0.6	0.8	10		-	_	_		_	
2N5209	СТ	360	NPN	50	50	4.5	50	35	100 150 150	300	0.1 1 10	5 5 5	0.70		_	10		30	_	0.5	_	3 4	9 10
2N5210	CT	360	NPN	50	50	4.5	50	35	200 250	600	0.1 1	5 5	0.70			10		30	_	0.5	_	2 3	9 10
2N5219	CT	360	NPN	20	15	3	100	10	250 35	500	10	$-\frac{5}{10}$	0.40		1	10	4	150		10		-	
2N5219 2N5220	CT	360	NPN	15		3	100	10		600	10 50	10 10	0.50	_	1.1	150		100		20		_	
2N5221	CT	360	PNP	- 15	-15	-3	-100	- 10	25 30	600	- 10 - 50	$-10 \\ -10$	- 0.50		-1.1	- 150	15	100		- 20		_	
2N5223	CT	360	NPN	25		3	100	10	-	800	2	10	0.70		1.2	10		150		10		=	_=
2N5225	CT	360	NPN	25	25	4	300	15	25 30	600	10 50	10 10	0.8		1	100	20	50	_	20	_	_	
2N5226	CT	360	PNP	- 25	- 25	-4	- 300	- 15		600	- 10 - 50	$-10 \\ -10$	-0.8	_	-1	-100	20	50		- 20		_	
2N5228	СТ	360	PNP	- 5			- 100(14)		30 15		- 10 - 50	- 0.3 - 1			5 - 1.25		<u> </u>			- 10		_	
2N5232		360	NPN	70			30	50		500	2	5	0.125		0.78		+	 			 -	5	12
2N5232/		360	NPN	70			30	50		500 800	2	<u>5</u>	0.125		0.78			+=			+		
2N5249 2N5249	CZ A CZ	400	NPN NPN	70			30	50 50		800	2	5	0.125		0.78		_	†=			†	3	12
2N5305	CZ	400	NPN	25	_		100	25	+	20000	2 100	5 5	1.4		1.6		10	60	_	2			_
2N5306	CZ	400	NPN	25			100		7000 20000		2 100	5 5	1.4		1.6		10		_	2		-	<u> </u>
2N5306/			NPN	25			100	25	20000		100	5 5	1.4	_	1.6		10	60		2		10	13
2N5307	CZ		NPN NPN	40			100	40	2000 6000 7000		100	5 5 5	1.4	_	1.6		10	60	· —	_	ļ		
2N5308	LZ	400	INPIN	40	40	12	100	40	20000		100	5	1.4		1.0								



Part			р		V	V	v		V	h			V	V		V	1	C			4	+	NF	Test
286.08 C2 400 NPW 44 40 12 100 49 20000 7000 2 5 1.4 1.6 200 10 59 2 10 10 13 286.090 C2 361 NPW 72 50 5 10 50 60 126 01 5 0.125 0.78 10 286.00 C2 361 NPW 72 -25 -25 -4 100 -25 30 0 10 0.01 0.01 0.01 286.000 C2 361 NPW -25 -25 -4 100 -25 30 0.01 5 0.125 0.78 10 286.000 C2 361 NPW -25 -25 -4 100 -25 30 0.01 5 0.125 0.78 10 286.000 C2 361 NPW -25 -25 -4 100 -25 30 0.01 5 0.125 0.78 10 286.000 C3 360 NPW -25 -25 -4 100 -25 30 0.01 5 0.125 0.78 10 0.00 286.000 -30 -1 -1 286.000 C2 360 NPW -25 -25 -4 100 -25 30 0.00 -30 -1 -1 286.000 C3 360 NPW -25 -25 -4 100 -25 200 -2 -2 10 0.25 -11 -50 8 250 2 286.000 C2 360 NPW -25 -25 -4 100 -25 200 -2 -2 10 0.25 -11 -50 8 250 2 286.000 C2 360 NPW -25 -25 -4 100 -25 200 -2 -2 10 0.25 -11 -50 8 250 2 286.000 C2 360 NPW -40 -4 -10 -4 200 -2 -2 -2 -10 0.25 -11 -2 -300 8 250 286.000 C3 360 NPW -40 -4 -4 -10 -4 250 -50 -1 -2 -2 -2 -1 -2 -300 -5 8 250 286.000 C1 350 NPW -40 -4 -4 -100 -4 250 -50 -1 -2 -2 -2 -1 -2 -3 -3 -2 -3 -2 -3 -3				Polarity							((V)			~, ~		(M	Hz) ((dB) @	Cond.
280 280 80	2N5308A	CZ		NPN						7000	70000	2	5	1.4	_		200	10	60	_	2	_	10	
286394 CZ 360	2N5309	CZ	360	NPN	70	50	5	10	50			.01		0.125		0.78	10		_	_	_		_	
28355 CZ 360 PNP -25 -25 -4 -100 -25 86 30 -30 -1 -1 -2 -300 8 250 -2 -			.				5				300								_	_	_			
2N5356 CZ 360 PNP -25 -25 -4 -100 -25 200 -30 -30 -1 -1 -2 -300	2N5354	CZ	360	PNP	<u> </u>	- 25	4	- 100	– 25	40	120	-30	-1		_			8	250	_	-2	_	_	_
286355 CZ 360 PNP -40 -40 -40 -4 -100 -70 25 -25 -4 -100 -25 25 -4 -100 -25 25 -4 -100 -25 25 -4 -100 -25 25 -4 -100 -25 25 -2 -10 -25 -25 -300 -5 -2 -2 -300 -5 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	2N5355	CZ	360	PNP	– 25	– 25	-4	-100	– 25	100	300	-50	-1		=			8	250	_	-2	_	_	_
285365 CZ 380	2N5356	CZ	360	PNP	- 25	– 25	-4	-100	- 25	200 250	500	-2 -30	-10 -1		_			8	250		-2	_		
285366 CZ 350	2N5365	CZ	360	PNP	-40	-40	- 4	- 100	-40	32 40	<u></u>	-2 -50	$-10 \\ -1$		_			8	250		-2	_	-	_
2N5400 CT 350	2N5366	CZ	360	PNP	-40	– 40	– 4	-100	-40	80 100	300	-2 -50	$-10 \\ -1$		=			8	250	_	-2	_	_	
2N5400 CT 350 PNP -130 -120 -5 -50 -100 30 -1 -1 -5 -5 -0.5 -11 -50 6 100 400 -10 -8 8 14	2N5367	CZ	360	PNP	- 40	– 40	– 4	- 100	- 40	200 250	500	- 10 - 50	$-2 \\ -1$		_			8	250	_	- 2			
2N5401 CT 350	2N5400	CT	350	PNP	<u> </u>	- 120	– 5	– 50	-100	30 40	180	-1 -10	- 5 - 5		_			6	100	400 -	- 10		8	14
2N5418 CZ 360 NPN 25 25 4 100 25 25 4 100 25 25 4 100 25 25 4 100 25 26 4 100 25 26 4 100 25 26 4 20 25 25 4 20 25 25 25 25 25 25 25	2N5401	CT	350	PNP	- 160	— 150	– 5	- 50	— 120	50 60	240	-1 -10	- 5 - 5		_			6	100	300 -	- 10		8	14
2N5419 CZ 360	2N5418	CZ	360	NPN	25	25	4	100	25	25 40	120	2 50	10 1		_			6	_	_			_	
2N5420 CZ 360 NPN 25 25 4 100 25 150	2N5419	CZ	360	NPN	25	25	4	100	25	70 100	300	2 50	10 1	0.25 1	_	1.1		6	_		_	_	-	
NPN 160 140 6 100 100 60 250 10 5 0.25 1 20 50 5 0.25 1 20 50 5 0.25 1 20 50 5 0.25 1 20 10 10 10 10 10 10	2N5420	CZ	360	NPN	25	25	4	100	25	150 250	500	2 50	10 1		_	1.1	50 300	6	_	_	_	<u></u>	_	_
NFN 180 160 6 50 120 80	2N5550	СТ	350	NPN	160	140	6	100	100	60 60	250	1 10	5 5		=		10 50	6	100	400	10		10	14
2N5830 CT 625	2N5551	CT	350	NPN	180	160	6	50	120	80 80	250	1 10	5 5		_			6	100	300	10		8	14
2N5831 CT 625	2N5830	СТ	625	NPN	120	100	5	50	100	60 80	500	1 10	5 5	0.20	_	1	10	4	100	500	10			
2N5832 CT 625	2N5831	СТ	625	NPN	160	140	5	50	120	60		1	5	0.15		0.8	1	4	100	500	10		_	_
2N5998 CZ 400 NPN 35 25 5 30 25 80 — .01 2 0.25 — 0.85 50 — 140 630 10 — 1.5 15 2N5999 CZ 400 PNP -35 -25 -5 -5 30 25 80 — .01 2 150 300 -10 -2 -0.25 — 0.85 50 — 140 630 10 — 1.5 15 2N6008 CZ 400 NPN 35 25 5 30 25 120 — .01 2 150 -0.01 2 2 250 500 10 2 2 250 500 -10 -10 -2 2	2N5832	СТ	625	NPN	160	140	5	50	120	125	_	1	5	0.15		0.8	1	4	100	500	10		_	
No.										150		50	5	0.25		1	50		1.10	000	10		1.5	15
2N6008 CZ 400 NPN 35 25 5 30 25 120	2N5998	CZ	400	NPN .			5	30	25	100	_	.1	2	0.25		0.85	50	_	140	630	10		1.5	
2N6008 CZ 400 NPN 35 25 5 30 25 120 — .01 2 0.25 — 0.85 50 — 140 630 10 — 1.5 15 15 2N6009 CZ 400 PNP -35 -25 -5 -5 -30 -25 120 —01 -2 150 —1 -2 250 500 -10 -2 2N6009 CZ 400 PNP -35 -25 -5 -5 -30 -25 120 —1 -2 250 500 -10 -2 2N6009 CZ 400 PNP -35 -25 -5 -5 -30 -25 150 —1 -2 250 500 -10 -2 2N6009 CZ 400 PNP -35 -25 -5 -5 -30 -25 150 —1 -2 250 500 -10 -2 2N6009 CZ 400 PNP -35 -25 -5 -5 -30 -25 150 —1 -2 250 500 -10 -2 2N6009 CZ 400 PNP -35 -25 -5 -5 -30 -25 150 —1 -2 250 500 -10 -2 2N6009 CZ 400 PNP -35 -25 -5 -5 -30 -25 150 —1 -2 250 500 -10 -2 2N6009 CZ 400 PNP -35 -25 -5 -5 -5 -30 -25 150 —1 -2 250 500 -10 -2 2N6009 CZ 400 PNP -35 -25 -5 -5 -5 -30 -25 150 —1 -2 250 500 -10 -2 2N6009 CZ 400 PNP -35 -25 -5 -5 -5 -30 -25 150 —1 -2 250 500 -10 -2 2N6009 CZ 400 PNP -35 -25 -5 -5 -5 -30 -25 150 —1 -2 250 500 -10 -2 2N6009 CZ 400 PNP -35 -25 -5 -5 -5 -30 -25 150 —1 -2 250 500 -10 -2 2N6009 CZ 400 PNP -35 -25 -5 -5 -5 -30 -25 150 —1 -2 250 500 -10 -2 2N6009 CZ 400 PNP -35 -25 -5 -5 -5 -30 -25 150 —1 -2 250 500 -10 -2 2N6009 CZ 400 PNP -35 -25 -5 -5 -5 -5 -30 -25 150 —1 -2 250 500 -10 -2 2N6009 CZ 400 PNP -35 -25 -5 -5 -5 -5 -30 -25 150 —1 -2 250 500 -10 -2 2N6009 CZ 400 PNP -35 -25 -5 -5 -5 -5 -30 -25 150 —1 -2 250 500 -10 -2 2N6009 CZ 400 PNP -35 -25 -5 -5 -5 -5 -30 -25 150 —1 -2 250 500 -10 -2 2N6009 CZ 400 PNP -35 -25 -5 -5 -5 -5 -30 -25 150 —1 -2 250 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	2 N 5999	CZ	400	PNP	- 35	25 	— 5	- 30	- 25	100		-1	-2	- 0.25	_	- 0.85	- 50		140	630	- 10	-	1.5	15
2N6009 CZ 400 PNP -35 -25 -5 -30 -25 12001 -2 -0.250.85 -50 140 630 -10 1.5 15 15 151 -2 250 500 -10 -2	2N6008	CZ	400	NPN	35	25	5	30	25	150	_	.1	2	0.25		0.85	50	_	140	630	10		1.5	15
	2N6009	CZ	400	PNP	- 35	– 25	– 5	- 30	– 25	120 150	_	01 1	- 2 - 2	- 0.25	_	- 0.85	– 50	_	140	630 -	- 10	_	1.5	15
	2N6076	CZ	360	PNP	- 25	– 25	- 5	-100	- 25					-0.25	_	-0.8	-10	13	_		_	_		



Catalog Number	Case Style	$\begin{array}{c} P_D \\ T_A = 25^{\circ}C \\ (mW) \end{array}$	Polarity	V _{CBO} (V) Min.	V _{CEO} (V) Min.	V _{EBO} (V) Min.	I _{CBO} (nA) Max.	V _{CB} . @ (V)	Min.	h _{fE} Max.	I _C @ 8 (mA)	V _{CE} (V)	V _{ce(s} (V) Max.		V _{BE(SAT)} & (V) Max.	I _C @ (mA)	C _{ob} (pF) Max.	f (M l Min.		l _C nA)	t _{off} (ns) Max.		Test Cond. (note)
2N6426	СТ	625	NPN	40	40	12	50	30	30000	200000 300000 200000	10 100 500	5 5 5	1.20 1.50	_	2	50 500	7	150	_	10		10	16
2N6427	СТ	625	NPN	40	40	12	50	30	20000	100000 200000 140000		5 5 5	1.20 1.50		2	50 500	7	130		10	_	10	16

Notes: 1.h_{fe} @ 1 kHz

2. See beta table 1 or 2.

3. WBNF @ I_c = 100 $\mu\text{A},\,\text{V}_{\text{CA}}=4.5$ V, $\text{R}_{\text{S}}=500~\Omega.$

4. WBNF @ $I_c = 100~\mu\text{A}, V_{ce} = 4.5~\text{V}, R_s = 5~\text{k}\Omega.$

5. I_{CEV} @ $V_{CE} = 30 \text{ V}$, $V_{BE(off)} = 3 \text{ V}$.

6. WBNF @ $I_c = 100 \mu A$, $V_{CE} = 5 V$, $R_s = 1 k\Omega$.

7. $I_C=20~\mu\text{A},\,V_{CE}=5~V,\,R_G=10~K\Omega,\,BW=15.7~kHz.$

8. WBNF @ I_c = 100 μ A, V_{CE} = 5 V, R_s = 10 k Ω .

9. $I_{\text{C}}=20~\mu\text{A},\,V_{\text{CE}}=5~\text{V},\,R_{\text{S}}=10~\text{k}\Omega,\,f=1~\text{kHz}.$

10. WBNF @ $I_c = 100 \mu A$, $V_{CE} = 5 V$, $R_S = 5 k\Omega$.

11. $I_{CES} @ V_{CE} = -4 \text{ V}, V_{BE} = 0.$

12. SNF @ I_c = 100 $\mu\text{A},\,\text{V}_{\text{CE}}=5\,\text{V},\,\text{R}_{\text{S}}=5\,\text{k}\Omega,\,\text{f}=1\,\text{kHz}.$

13. WBNF @ $I_c = 600 \mu A$, $V_{CE} = 5 V$, $R_s = 160 k \Omega$.

14. $I_{c}=250~\mu\text{A},\,V_{c\epsilon}=5~\text{V},\,R_{g}=1~\text{k}\Omega,\,\text{BW}=15.7~\text{kHz}.$

15. WBNF @ I_c = 100 $\mu\text{A},\,\text{V}_{\text{CE}}=5$ V, $R_{\text{S}}=5$ k $\Omega.$

16. WBNF @ I_c = 1 mA, V_{CE} = 5 V, R_s = 100 k\Omega, BW = 15.7 kHz.

17. $I_{\text{c}}=10$ mA, $I_{\text{B1}}=0.32$ mA, $V_{\text{cc}}=6$ V.

18. $I_C = 10 \text{ mA}, I_{B1} = 3.0 \text{ mA}, I_{B2} = 1.5 \text{ mA}, V_{CC} = 3.0 \text{ V}.$

19. $I_{c} = 150 \text{ mA}, I_{B1} = I_{B2} = 15 \text{ mA}, V_{CC} = 30 \text{ V}.$

20. $V_{BE(on)}$ @ V_{ce} = 10 V, I_{C} = 100 mA.

21. $C_{eb} @ V_{CB} =$ 20 V, f = 1 mHz.

22. I_c = measured in μ S instead of nS.

Table 1—GUARANTEED A-C BETA DISTRIBUTION BY GROUP

		35-70	55-110	90-180	150-300	235-470
h _{fe}	Color Code Group	Brown	Red	Orange	Yellow	Green
	2N2926	0-6%	5-10%	20-26%	35-45%	20-30%

Table 2—GUARANTEED D-C BETA DISTRIBUTION BY GROUP

		55-110	90-180	150-300	250-500	400-800
h	Color Code Group	Red	Orange	Yellow	White	Blue
IIFE	2N3395	_	_	35-65%	35-65%	_
	2N3396	_	10-60%	10-60%	5-35%	
	2N3397	0-15%	10-50%	10-50%	5-35%	
	2N3398	0-15%	10-50%	10-50%	5-35%	0-15%

Sprague is the foremost supplier of electronic components.