

SOT5xx Parametric Data

Logic MiniGates

LOGIC	MiniG	LCX	OVT	ON	FUNCTION	CASE	V _{CC} (V)	I _{OHL} (mA)	t _{PD} (nS)	P _D (mW)	OVT	I / O
⊙	⊙	⊙	⊙	NL17SZ00XV5T2	2 Input NAND	463B	4.5	±24	2.0	150	Inputs	
⊙	⊙	⊙	⊙	NL17SZ02XV5T2	2 Input NOR	463B	4.5	±24	1.9	150	Inputs	
⊙	⊙	⊙	⊙	NL17SZ04XV5T2	Single Inverter	463B	4.5	±24	2.4	150	Inputs	
⊙	⊙	⊙	⊙	NL17SZU04XV5T2	Unbuffered Inverter	463B	4.5	±24	6.0	135	Inputs	
⊙	⊙	⊙	⊙	NL17SZ06XV5T2	Open Drain Inverter	463B	4.5	±24	2.5	135	Inputs	
⊙	⊙	⊙	⊙	NL17SZ07XV5T2	Open Drain Buffer	463B	4.5	±24	2.5	135	Inputs	
⊙	⊙	⊙	⊙	NL17SZ08XV5T2	2 Input AND	463B	4.5	±24	2.7	135	Inputs	
⊙	⊙	⊙	⊙	NL17SZ14XV5T2	Single Inverter	463B	4.5	±24	3.1	135	Inputs	
⊙	⊙	⊙	⊙	NL17SZ16XV5T2	Single Input Buffer	463B	4.5	±24	1.8	180	Inputs	
⊙	⊙	⊙	⊙	NL17SZ17XV5T2	Schmitt Buffer	463B	4.5	±24	3.1	135	Inputs	
⊙	⊙	⊙	⊙	NL17SZ32XV5T2	2 Input OR	463B	4.5	±24	2.4	135	Inputs	

Zener Diodes

ZENER	QUAD	ARRAY	ESD	ON	FUNCTION	CASE	V _{BR} (V)	V _{RWM} (V)	I _{RWM} (μA)	V _C (V)	I _{PP} (A)	C (pF)
⊙	⊙	⊙	⊙	NZQA5V6XV5T1	ESD Protection	463B	5.6	3.0	1.0	10.5	10.0	90
⊙	⊙	⊙	⊙	NZQA6V2XV5T1	ESD Protection	463B	6.2	4.0	0.5	11.5	9.0	80
⊙	⊙	⊙	⊙	NZQA6V8XV5T1	ESD Protection	463B	6.8	4.3	0.1	12.5	8.0	70
⊙	⊙	⊙	⊙	NZQA6V8AXV5T1	ESD Protection	463B	5.9	4.3	0.1	12.5	8.0	15

Small Signal Transistors

DUAL	NPN	PNP	COMP	ON Part Number	FUNCTION	CASE	V _{BRICE} 0	IC	hFE	hFE	R1*	R2*
							(V)	(mA)	(min)	(typ)	(KΩ)	(KΩ)
⊙		⊙		NSBA113EDXV6T5	Bias Resistor TRN	463A	-50	-100	3	5	1	1
⊙		⊙		NSBA114EDXV6T5	Bias Resistor TRN	463A	-50	-100	35	60	10	10
⊙		⊙		NSBA114TDXV6T5	Bias Resistor TRN	463A	-50	-100	160	250	10	∞
⊙		⊙		NSBA114YDXV6T5	Bias Resistor TRN	463A	-50	-100	80	140	10	47
⊙		⊙		NSBA115EDXV6T5	Bias Resistor TRN	463A	-50	-100	80	130	100	100
⊙		⊙		NSBA123EDXV6T5	Bias Resistor TRN	463A	-50	-100	8	15	2.2	2.2
⊙		⊙		NSBA123JDXV6T5	Bias Resistor TRN	463A	-50	-100	80	140	2.2	47
⊙		⊙		NSBA124EDXV6T5	Bias Resistor TRN	463A	-50	-100	60	100	22	22
⊙		⊙		NSBA124XDXV6T5	Bias Resistor TRN	463A	-50	-100	80	130	22	47
⊙		⊙		NSBA143EDXV6T5	Bias Resistor TRN	463A	-50	-100	15	27	4.7	4.7
⊙		⊙		NSBA143TDXV6T5	Bias Resistor TRN	463A	-50	-100	160	250	4.7	∞
⊙		⊙		NSBA143XDXV6T2	Bias Resistor TRN	463A	Check with factory					
⊙		⊙		NSBA143ZDXV6T5	Bias Resistor TRN	463A	-50	-100	80	140	4.7	4.7
⊙		⊙		NSBA144EDXV6T5	Bias Resistor TRN	463A	-50	-100	80	140	47	47
⊙		⊙		NSBA144WDXV6T5	Bias Resistor TRN	463A	-50	-100	80	140	47	22
⊙	⊙			NSBC113EDXV6T5	Bias Resistor TRN	463A	50	100	3	5	1	1
⊙			⊙	NSBC113EPDXV6T5	Bias Resistor TRN	563A	50	100	3	5	1	1
⊙	⊙			NSBC114EDXV6T5	Bias Resistor TRN	463A	50	100	35	60	10	10
⊙			⊙	NSBC114EPDXV6T5	Bias Resistor TRN	563A	50	100	35	60	10	10
⊙	⊙			NSBC114TDXV6T5	Bias Resistor TRN	463A	50	100	160	350	10	∞
⊙			⊙	NSBC114TPDXV6T5	Bias Resistor TRN	563A	50	100	160	350	10	-
⊙	⊙			NSBC114YDXV6T5	Bias Resistor TRN	463A	50	100	80	140	10	47
⊙			⊙	NSBC114YPDXV6T5	Bias Resistor TRN	563A	50	100	80	140	10	47
⊙	⊙			NSBC115EDXV6T5	Bias Resistor TRN	463A	50	100	80	150	100	100
⊙	⊙			NSBC123EDXV6T5	Bias Resistor TRN	463A	50	100	8	15	2.2	2.2
⊙			⊙	NSBC123EPDXV6T5	Bias Resistor TRN	563A	50	100	8	15	2.2	2.2
⊙	⊙			NSBC123JDXV6T5	Bias Resistor TRN	463A	50	100	80	140	2.2	47
⊙			⊙	NSBC123JPDXV6T5	Bias Resistor TRN	563A	50	100	80	140	2.2	47
⊙	⊙			NSBC124EDXV6T5	Bias Resistor TRN	463A	50	100	60	100	22	22
⊙			⊙	NSBC124EPDXV6T5	Bias Resistor TRN	563A	50	100	60	100	22	22
⊙	⊙			NSBC124XDXV6T5	Bias Resistor TRN	463A	50	100	80	150	22	47
⊙			⊙	NSBC124XPDXV6T5	Bias Resistor TRN	563A	50	100	80	150	22	47
⊙	⊙			NSBC143EDXV6T5	Bias Resistor TRN	463A	50	100	15	30	4.7	4.7
⊙			⊙	NSBC143EPDXV6T5	Bias Resistor TRN	563A	50	100	15	30	4.7	4.7
⊙	⊙			NSBC143TDXV6T5	Bias Resistor TRN	463A	50	100	160	350	4.7	∞
⊙			⊙	NSBC143TPDXV6T5	Bias Resistor TRN	563A	50	100	160	350	4.7	-
⊙	⊙			NSBC143XDXV6T2	Bias Resistor TRN	463A	Check with factory					
⊙	⊙			NSBC143ZDXV6T5	Bias Resistor TRN	463A	50	100	80	200	4.7	4.7
⊙			⊙	NSBC143ZPDXV6T5	Bias Resistor TRN	563A	50	100	80	200	4.7	4.7
⊙	⊙			NSBC144EDXV6T5	Bias Resistor TRN	463A	50	100	80	140	47	47
⊙			⊙	NSBC144EPDXV6T5	Bias Resistor TRN	563A	50	100	80	140	47	47
⊙	⊙			NSBC144WDXV6T5	Bias Resistor TRN	463A	50	100	80	140	47	22
⊙			⊙	NSBC144WPDV6T5	Bias Resistor TRN	563A	Check with factory					
⊙			⊙	EMC5DXV5T5	Common Base/C BRT	463A	50	100	20	5	4.7/47	10/47
⊙		⊙		EMA4DXV5T5	Common Emmitter BRT	463A	Check with factory					
⊙		⊙		EMA6DXV5T5	Common Emmitter BRT	463A	In Development - Check with factory					
⊙			⊙	EMC2DXV5T5	Common Emmitter BRT	463A	In Development - Check with factory					
⊙			⊙	EMC3DXV5T5	Common Emmitter BRT	463A	Check with factory					
⊙	⊙			EMG4DXV5T5	Common Emmitter BRT	463A	In Development - Check with factory					
⊙	⊙			EMG6DXV5T5	Common Emmitter BRT	463A	Check with factory					
⊙	⊙			Upon Request	Common Emmitter BRT	TBD	50	100	120	700	4.7	-
⊙	⊙			Upon Request	Common Emmitter BRT	TBD	50	100	30	-	4.7	4.7
⊙	⊙			Upon Request	Common Emmitter BRT	TBD	50	100	50	-	10	10

SO Text Parametric

⊙	⊙			Upon Request	Common Emmitter BRT	TBD	50	100	70	-	22	22
⊙	⊙			Upon Request	Common Emmitter BRT	TBD	50	100	80	-	47	47
⊙	⊙			Upon Request	Common Emmitter BRT	TBD	50	100	80	-	2.2	47
⊙	⊙			Upon Request	Common Emmitter BRT	TBD	50	100	80	-	4.7	47
⊙	⊙			Upon Request	Common Emmitter BRT	TBD	50	100	80	-	10	47
⊙	⊙			Upon Request	Common Emmitter BRT	TBD	50	100	80	-	22	47
⊙	⊙			Upon Request	Common Emmitter BRT	TBD	50	100	70	-	47	22
⊙		⊙		Upon Request	Common Emmitter BRT	TBD	-50	-100	30	-	4.7	4.7
⊙		⊙		Upon Request	Common Emmitter BRT	TBD	-50	-100	50	-	10	10
⊙		⊙		Upon Request	Common Emmitter BRT	TBD	-50	-100	70	-	22	22
⊙		⊙		Upon Request	Common Emmitter BRT	TBD	-50	-100	80	-	47	47
⊙		⊙		Upon Request	Common Emmitter BRT	TBD	-50	-100	80	-	2.2	47
⊙		⊙		Upon Request	Common Emmitter BRT	TBD	-50	-100	80	-	4.7	47
⊙		⊙		Upon Request	Common Emmitter BRT	TBD	-50	-100	80	-	10	47
⊙		⊙		Upon Request	Common Emmitter BRT	TBD	-50	-100	80	-	22	47
⊙		⊙		Upon Request	Common Emmitter BRT	TBD	-50	-100	70	-	47	22
⊙		⊙		Upon Request	Common Emmitter BRT	TBD	-50	-100	120	400	4.7	-
⊙		⊙		Upon Request	Common Emmitter BRT	TBD	-50	-100	*	*	4.7	-
⊙	⊙			BC846BDXV6T5	GRL Purpose TRN	463A	65	100	200	450	-	-
⊙			⊙	BC846BPDV6T5	GRL Purpose TRN	463A	65	100	200	475	-	-
⊙	⊙			BC847BDXV6T5	GRL Purpose TRN	463A	45	100	200	290	-	-
⊙			⊙	BC847BPDV6T5	GRL Purpose TRN	463A	45	100	200	290	-	-
⊙	⊙			BC847CDXV6T5	GRL Purpose TRN	463A	45	100	420	520	-	-
⊙			⊙	BC847CPDV6T5	GRL Purpose TRN	463A	45	100	420	520	-	-
⊙	⊙			BC848BDXV6T5	GRL Purpose TRN	463A	30	100	200	290	-	-
⊙			⊙	BC848BPDV6T5	GRL Purpose TRN	463A	30	100	200	290	-	-
⊙	⊙			BC848CDXV6T5	GRL Purpose TRN	463A	30	100	420	250	-	-
⊙			⊙	BC848CPDV6T5	GRL Purpose TRN	463A	30	100	420	520	-	-
⊙		⊙		BC856BDXV6T5	GRL Purpose TRN	463A	65	100	220	475	-	-
⊙		⊙		BC857BDXV6T5	GRL Purpose TRN	463A	45	100	220	290	-	-
⊙		⊙		BC857CDXV6T5	GRL Purpose TRN	463A	45	100	420	520	-	-
⊙		⊙		BC858BDXV6T5	GRL Purpose TRN	463A	30	100	220	290	-	-
⊙		⊙		BC858CDXV6T5	GRL Purpose TRN	463A	30	100	420	520	-	-
⊙			⊙	EMZ1DXV6T5	GRL Purpose TRN	463A	In Development - Check with factory					
⊙		⊙		NST1774DXV6T5	GRL Purpose TRN	463A	Check with factory					
⊙	⊙			NST3904DXV6T5	GRL Purpose TRN	463A	40	200	100	300	-	-
⊙		⊙		NST3906DXV6T5	GRL Purpose TRN	463A	40	200	100	300	-	-
⊙			⊙	NST3946DXV6T5	GRL Purpose TRN	463A	40	200	100	300	-	-
⊙	⊙			NST4617DXV6T5	GRL Purpose TRN	463A	Check with factory					