

**SMALL SIGNAL TRANSISTOR**
**■ General Purpose Transistor**

Device	Application	Maximum Ratings			hFE			V <sub>CE(SAT)</sub>			Package (Marking)
		V <sub>CEO</sub> (V)	I <sub>C</sub> (mA)	P <sub>C</sub> (mW)	Range	V <sub>CE</sub> (V)	I <sub>C</sub> (mA)	Max.V	I <sub>C</sub> (mA)	I <sub>B</sub> (mA)	
WSA1515	High Current	-35	-800	625	100~320	-1	-100	-0.5	-500	-50	TO-92
WSC3377	High Current	35	800	625	100~320	1	100	0.5	500	50	TO-92
WSA854	General Purpose	-40	-500	625	70~240	-1	-100	-0.25	-100	-10	TO-92
WSC1741	General Purpose	40	500	625	70~240	1	100	0.5	100	10	TO-92
WSA733	General Purpose	-60	-150	625	70~400	-6	-1	-0.3	-100	-10	TO-92
WSC945	General Purpose	60	150	625	70~400	6	1	0.3	100	10	TO-92
WSC2411	General Purpose	32	500	200	70~240	1	100	0.25	100	10	SOT-23(BA)
WSC2412	General Purpose	50	150	200	70~700	6	2	0.25	100	10	SOT-23(DA)
WSA1298	High Current	-30	-800	200	100~320	-1	-100	-0.5	-500	-20	SOT-23(EA)
WSC3265	High Current	30	800	200	40~240	1	100	0.5	500	20	SOT-23(FA)
WSA1036	General Purpose	-32	-500	200	70~240	-1	-100	-0.25	-100	-10	SOT-23(AA)
WSA1037	General Purpose	-50	-150	200	70~700	-6	-2	-0.3	-100	-10	SOT-23(CA)
WSD882S	High Current	40	3000	500	60~400	2.0	1000	0.5	2000	200	TO-92
WSB772S	High Current	40	3000	500	60~400	-2.0	-1000	0.5	-2000	-200	TO-92
WST8050	High Current	25	800	625	85~300	1	50	0.5	500	50	TO-92
WST8550	High Current	-25	-800	625	85~300	-1	-50	-0.5	-500	-50	TO-92
WST9012	1W Output	-30	-500	625	96~246	-1	-50	-0.25	-100	-10	TO-92
WST9013	1W Output	30	500	625	96~246	1	50	0.25	100	10	TO-92
WST9014	General Purpose	50	150	625	100~1000	5	1	0.25	100	10	TO-92
WST9015	General Purpose	-50	-150	625	100~1000	-5	-1	0.3	-100	-10	TO-92
WST9018	FM,RF,OSC,MIX	30	20	400	54~198	5	1	0.3	10	1	TO-92

**■ BC Series Transistor**

Device	Application	Maximum Ratings			hFE			V <sub>CE(SAT)</sub>			Package (Marking)
		V <sub>CEO</sub> (V)	I <sub>C</sub> (mA)	P <sub>C</sub> (mW)	Range	V <sub>CE</sub> (V)	I <sub>C</sub> (mA)	Max.V	I <sub>C</sub> (mA)	I <sub>B</sub> (mA)	
WBC327	High Current	-35	-800	625	100~630	-1	-100	-0.7	-500	-50	TO-92
WBC328	High Current	-25	-800	625	100~630	-1	-100	-0.7	-500	-50	TO-92
WBC337	High Current	35	800	625	100~630	1	100	0.7	500	50	TO-92
WBC338	High Current	25	800	625	100~630	1	100	0.7	500	50	TO-92
WBC546	General Purpose	55	100	625	110~800	5	2	0.6	100	5	TO-92
WBC547	General Purpose	45	100	625	110~800	5	2	0.6	100	5	TO-92
WBC548	General Purpose	30	100	625	110~800	5	2	0.6	100	5	TO-92
WBC556	General Purpose	-55	-100	625	110~800	-5	-2	-0.65	-100	-5	TO-92
WBC557	General Purpose	-45	-100	625	110~800	-5	-2	-0.65	-100	-5	TO-92
WBC558	General Purpose	-30	-100	625	110~800	-5	-2	-0.65	-100	-5	TO-92
WBC807	High Current	-35	-800	200	100~630	-1	-100	-0.7	-500	-50	SOT-23(LA)
WBC808	High Current	-25	-800	200	100~630	-1	-100	-0.7	-500	-50	SOT-23(MA)
WBC817	High Current	35	800	200	100~630	1	100	0.7	500	50	SOT-23(NA)
WBC818	High Current	25	800	200	100~630	1	100	0.7	500	50	SOT-23(PA)
WBC846	General Purpose	55	100	200	110~800	5	2	0.6	100	5	SOT-23(QA)
WBC847	General Purpose	45	100	200	110~800	5	2	0.6	100	5	SOT-23(RA)
WBC848	General Purpose	30	100	200	110~800	5	2	0.6	100	5	SOT-23(SA)
WBC856	General Purpose	-55	-100	200	110~800	-5	-2	-0.65	-100	-5	SOT-23(TA)
WBC857	General Purpose	-45	-100	200	110~800	-5	-2	-0.65	-100	-5	SOT-23(UA)
WBC858	General Purpose	-30	-100	200	110~800	-5	-2	-0.65	-100	-5	SOT-23(VA)

**SMALL SIGNAL TRANSISTOR**

**■ Built-in Bias Resistors Transistor**

Device	Application	R1	R2	Maximum Ratings			Gi(hFE)			Marking (SOT-23)	Package
		kΩ	kΩ	V <sub>CEO</sub> (V)	I <sub>C</sub> (mA)	P <sub>C</sub> (mW)	Min.	V <sub>O</sub> (V)	I <sub>O</sub> (mA)		
WSR1101/M/S	BRT	4.7	4.7	50	100	TO-92:625 TO-92S:400 SOT-23:200	30	5	10	RN1	TO-92 TO-92S SOT-23
WSR1102/M/S	BRT	10	10	50	100		50	5	10	RN2	
WSR1103/M/S	BRT	22	22	50	100		70	5	10	RN3	
WSR1104/M/S	BRT	47	47	50	100		80	5	10	RN4	
WSR1105/M/S	BRT	2.2	47	50	100		80	5	10	RN5	
WSR1106/M/S	BRT	4.7	47	50	100		80	5	10	RN6	
WSR1107/M/S	BRT	10	47	50	100		80	5	10	RN7	
WSR1108/M/S	BRT	22	47	50	100		80	5	10	RN8	
WSR1109/M/S	BRT	47	22	40	100		70	5	10	RN9	
WSR1110/M/S	BRT	4.7	-	50	100		120	5	1	RN0	
WSR1111/M/S	BRT	10	-	50	100		120	5	1	RNA	
WSR1112/M/S	BRT	100	-	50	100		120	5	1	RNB	
WSR1113/M/S	BRT	22	-	50	100		120	5	1	RNC	
WSR1114/M/S	BRT	47	-	50	100		120	5	1	RND	
WSR2101/M/S	BRT	4.7	4.7	-50	-100		30	-5	-10	RP1	
WSR2102/M/S	BRT	10	10	-50	-100		50	-5	-10	RP2	
WSR2103/M/S	BRT	22	22	-50	-100		70	-5	-10	RP3	
WSR2104/M/S	BRT	47	47	-50	-100		80	-5	-10	RP4	
WSR2105/M/S	BRT	2.2	47	-50	-100		80	-5	-10	RP5	
WSR2106/M/S	BRT	4.7	47	-50	-100		80	-5	-10	RP6	
WS2107/M/S	BRT	10	47	-50	-100		80	-5	-10	RP7	
WSR2108/M/S	BRT	22	47	-50	-100		80	-5	-10	RP8	
WSR2109/M/S	BRT	47	22	-50	-100		70	-5	-10	RP9	
WSR2110/M/S	BRT	4.7	-	-50	-100		120	-5	-1	RP0	
WSR2111/M/S	BRT	10	-	-50	-100		120	-5	-1	RPA	
WSR2112/M/S	BRT	100	-	-50	-100		120	-5	-1	RPB	
WSR2113/M/S	BRT	22	-	-50	-100		120	-5	-1	RPC	
WSR2114/M/S	BRT	47	-	-50	-100		120	-5	-1	RPD	

**■ High Voltage Transistor**

Device	Maximum Ratings			V <sub>CE(SAT)</sub>			h <sub>FE</sub>			Package (Marking)
	V <sub>CEO</sub> (V)	I <sub>C</sub> (mA)	P <sub>C</sub> (mW)	Max.V	I <sub>C</sub> (mA)	I <sub>B</sub> (mA)	Range	V <sub>CE</sub> (V)	I <sub>C</sub> (mA)	
WST5401/S	-150	-600	TO-92:625 SOT-23:350	-0.2	-10	-1	60~240	-5	-10	TO-92/SOT-23(2C)
WST5551/S	160	600		0.15	10	1	80~250	-5	-10	TO-92/SOT-23(1C)
WST42/S	300	500		0.5	20	2	40~	-10	-10	TO-92/SOT-23(1D)
WST92/S	-200	-500		-0.5	-20	-2	25~	-10	10	TO-92/SOT-23(2D)
WBF422	250	100	625	0.6	30	5	50~	20	25	TO-92
WBF423	-250	-100	625	-0.6	-30	-5	50~	-20	-25	TO-92

**■ Switching Purpose Transistor**

Device	Maximum Ratings			V <sub>CE(SAT)</sub>			Switching Time(Max)				Package (Marking)
	V <sub>CEO</sub> (V)	I <sub>C</sub> (mA)	P <sub>C</sub> (mW)	Max.V	I <sub>C</sub> (mA)	I <sub>B</sub> (mA)	t <sub>d</sub>	t <sub>r</sub>	t <sub>s</sub>	t <sub>f</sub>	
WST2222/S	30	600	TO-92:625 SOT-23:350	0.4	150	15	10	25	225	60	TO-92/SOT-23(1B)
WST2222A/S	40	600		0.4	150	15	10	25	225	60	TO-92/SOT-23(1P)
WST2907/S	-40	-600		-0.4	-150	-15	10	40	80	30	TO-92/SOT-23(2B)
WST2907A/S	-50	-600		-0.4	-150	-15	10	40	80	30	TO-92/SOT-23(2P)
WST3904/S	40	200		0.3	50	5	35	35	200	50	TO-92/SOT-23(1A)
WST3906/S	-40	-200		-0.4	-50	-5	35	35	225	75	TO-92/SOT-23(2A)

**POWER TRANSISTOR**

■ General & Switching Purpose Transistor

Device	Maximum Ratings			V <sub>CE(SAT)</sub>			Range	h <sub>FE</sub>		Package
	V <sub>CEO</sub> (V)	I <sub>C</sub> (A)	P <sub>C</sub> (W)	Max.V	I <sub>C</sub> (A)	I <sub>B</sub> (A)		V <sub>CE</sub> (V)	I <sub>C</sub> (A)	
WSD882	40	3.0	12	0.4	3.0	100	160~320	2.0	0.5	TO-126
WSB772	-40	-3.0	12	-0.5	-3.0	-500	160~320	-2.0	0.5	TO-126
WSC2682	180	0.1	8	0.5	0.05	0.005	100~320	5.0	0.01	TO-126
WSA1142	-180	-0.1	8	-0.5	-0.05	-0.005	100~320	-5.0	-0.01	TO-126
WSC3502	200	0.1	5	0.6	0.02	0.002	40~320	10	0.01	TO-126
WSD1691	60	5.0	15	0.3	2.0	0.1	100~400	1.0	2.0	TO-126
WSB1151	-60	-5.0	15	-0.3	-2.0	-0.1	100~400	-1.0	-2.0	TO-126
WSC752	40	2.0	15	0.8	2.0	0.2	100~320	2.0	0.5	TO-126M
WSA753	-40	-2.0	15	-0.8	-2.0	-0.2	100~320	-2.0	-0.5	TO-126M
WSC1020	40	3.0	15	0.8	2.0	0.2	80~390	3.0	0.5	D-PAK
WSA1030	-40	-3.0	15	-0.8	-2.0	-0.2	80~390	3.0	-0.5	D-PAK
WBD433/5/7	22/32/45	4.0	36	0.8	1.0	0.2	85~	1.0	0.5	TO-126
WBD434/6/8	-22/-32/-45	-4.0	36	-0.8	-1.0	-0.2	85~	-1.0	-0.5	TO-126
WBD135/7/9	45/60/80	1.5	13	0.5	0.5	0.05	40~250	2.0	0.15	TO-126
WBD136/8/140	-45/-60/-80	-1.5	13	-0.5	-0.5	-0.05	40~250	-2.0	-0.15	TO-126
WBD233/5/7	45/60/80	2.0	25	0.6	1.0	0.1	25~	2.0	1.0	TO-126
WBD234/6/8	-45/-60/-80	-2.0	25	-0.6	-1.0	-0.1	25~	-2.0	-1.0	TO-126
TIP31A/B/C	60/80/100	3.0	40	1.2	3.0	0.375	10~50	4.0	3.0	TO-220
TIP32A/B/C	-60/-80/-100	-3.0	40	-1.2	-3.0	-0.375	10~50	-4.0	-3.0	TO-220
TIP41A/B/C	40~100	6	65	1.5	6	0.6	15~75	4	3	TO-220
TIP42A/B/C	-40~-100	-6	65	-1.5	-6	-0.6	15~75	-4	-3	TO-220
MJE13003	400	1.5	20	0.5	0.5	0.1	8~40	5.0	0.5	TO-126
MJE13005	400	4	75	0.5	1.0	0.2	10~60	5.0	1.0	TO-220
MJE13005F	400	4	30	0.5	1.0	0.2	10~60	5.0	1.0	TO-220F
MJE13007	400	8	80	1.0	2.0	0.6	8~60	5.0	2.0	TO-220
MJE13007F	400	8	40	1.0	2.0	0.6	8~60	5.0	2.0	TO-220F
MJE13009	400	12	100	1.0	5.0	0.4	8~40	5.0	5.0	TO-220
MJE13009F	400	12	50	1.0	5.0	0.4	8~40	5.0	5.0	TO-220F
MJE13009K	400	12	130	1.0	5.0	0.4	8~40	5.0	5.0	TO-3P
WSC5027	800	3	50	2.0	1.5	0.3	10~40	5.0	0.2	TO-220
WSC5024	500	10	90	1.0	4.0	0.8	15~50	5.0	0.8	TO-3P
TIP3055	60	15	90	1.0	4.0	0.4	20~70	4.0	4.0	TO-3P
TIP2955	-60	-15	90	-1.0	-4.0	-0.4	20~70	-4.0	-4.0	TO-3P

■ Power Darlington Transistor

Device	Maximum Ratings			V <sub>CE(SAT)</sub>			Range	h <sub>FE</sub>		Package
	V <sub>CEO</sub> (V)	I <sub>C</sub> (A)	P <sub>C</sub> (W)	Max.V	I <sub>C</sub> (A)	I <sub>B</sub> (A)		V <sub>CE</sub> (V)	I <sub>C</sub> (A)	
TIP125/6/7	-60/-80/-100	-5.0	65	-2.0	-3.0	-0.012	1,000~	-3.0	-3.0	TO-220
TIP120/1/2	60/80/100	5.0	65	2.0	3.0	0.012	1,000~	3.0	3.0	TO-220
TIP115/6/7	-60/-80/-100	-2.0	50	-2.5	-2.0	-0.008	500~	-4.0	-2.0	TO-220
TIP110/1/2	60/80/100	2.0	50	2.5	2.0	0.008	500~	4.0	2.0	TO-220

**POWER MOSFETs**

Device	Maximum Ratings			R <sub>DS(ON)</sub> ( $\Omega$ )			Polarity	Package
	V <sub>DSS</sub> (V)	I <sub>b</sub> (mA)	P <sub>c</sub> (W)	Max	V <sub>GS</sub> (V)	I <sub>b</sub> (A)		
WSN7000	50	0.2	0.625	1.5	5	0.050	N-CH	TO-92
WSN7002	50	0.2	0.200	1.5	5	0.050	N-CH	SOT-23
WSK730C / F	400	5.5	73 / 38	1.0	10	2.75	N-CH	TO-220 / TO-220F
WSK740C / F	400	10.0	134 / 44	0.54	10	5.0	N-CH	TO-220 / TO-220F
WSK830C / F	500	4.5	73 / 38	1.5	10	2.25	N-CH	TO-220 / TO-220F
WSK840C / F	500	8.0	134 / 44	0.8	10	4.0	N-CH	TO-220 / TO-220F
WSK530C / F	100	14.0	72 / 38	0.11	10	7.0	N-CH	TO-220 / TO-220F
WSK630C / F	200	9.0	72 / 38	0.4	10	4.5	N-CH	TO-220 / TO-220F
WSK1N60A / I	600	1.0	30	11.5	10	0.5	N-CH	D-PAK / I-PAK
WSK2N60D	600	2.4	64	4.7	10	1.2	N-CH	D2-PAK
WSK2N40D	400	1.4	25	5.8	10	0.7	N-CH	D2-PAK
WSK4N60D	600	4.4	106	2.2	10	2.2	N-CH	D2-PAK
WSK6N60D	600	6.2	130	1.5	10	3.1	N-CH	D2-PAK
WSK3N80D	800	3.0	107	5.0	10	1.5	N-CH	D2-PAK

**THYRISTORs**

■ SCR

Device	Maximum Ratings								Package
	V <sub>DRM</sub> (V)	I <sub>T(RMS)</sub>	I <sub>T(AV)</sub>	I <sub>TSM</sub>	V <sub>TM@I<sub>TM</sub></sub>	dv/dt	P <sub>GM</sub>	P <sub>G(AV)</sub>	
	V	A	A	A	V	V/ $\mu$ S	W	W	
MCR100-6	400	0.8	0.5	10	1.7@1A	500	2	0.1	TO-92
MCR100-8	800	0.8	0.5	10	1.7@1A	500	2	0.1	TO-92
WSCR6C60B / C	600	6.0	3.8	66	1.6@9A	200	5	0.5	TO-126 / TO-220
WSCR10C60C/ F	600	10.0	6.4	110	1.6@20A	200	5	0.5	TO-220 / TO-220F

■ TRIACs

Device	Maximum Ratings								Package
	V <sub>DRM</sub> (V)	I <sub>DRM</sub>	I <sub>T(RMS)</sub>	I <sub>TSM</sub>	V <sub>TM@I<sub>TM</sub></sub>	dv/dt	P <sub>GM</sub>	P <sub>G(AV)</sub>	
	V	mA	A	A	V	V/ $\mu$ S	W	W	
WSTR1A60/80	600/800	0.5	1.0	9.1/10	1.6@1.5A	2.0	1.0	0.1	TO-92
WSTR2A60B	600	0.5	1.5	13/15	1.6@2.1A	5.0	1.0	0.1	TO-126
WSTR4A60A/ B	600	1.0	4.0	30/33	1.6@6.0A	5.0	1.5	0.1	D-PAK/TO-126
WSTR4A60C/ F	600	1.0	4.0	30/33	1.6@6.0A	5.0	1.5	0.1	TO-220/TO-220F
WSTR6A60C/ F	600	1.0	6.0	60/66	1.5@8.0A	5.0	3.0	0.3	TO-220/TO-220F
WSTR8A60C/ F	600	2.0	8.0	80/88	1.4@12A	10.0	5.0	0.5	TO-220/TO-220F
WSTR12A60C/ F	600	2.0	12.0	119/130	1.4@20A	10.0	5.0	0.5	TO-220/TO-220F
WSTR16A60C/ F	600	2.0	16.0	155/170	1.4@25A	10.0	5.0	0.5	TO-220/TO-220F

**INTEGRATED CIRCUIT**

**■3-Terminal Positive Fixed Voltage Regulator**

Type	Package	Function	Feature	Application
LM78LXX	TO-92	Low Output Current (I <sub>o</sub> =100mA)	<input type="checkbox"/> Output Current in excess of 100mA <input type="checkbox"/> External components are minimized <input type="checkbox"/> Internal protection circuit for output short	5V,6V,8V,9V,10V, 12V,15V,18V and 24V Fixed output Voltage
LM78XXAZ CZ DZ	TO-252 TO-220 TO-263	High Output Current (I <sub>o</sub> =1A)	<input type="checkbox"/> Output Current in excess of 1A <input type="checkbox"/> External components are minimized <input type="checkbox"/> Internal protection circuit for output short	5V,6V,8V,9V,10V, 12V,15V,18V and 24V Fixed output Voltage

**■3-Terminal Negative Fixed Voltage Regulator**

Type	Package	Function	Feature	Application
LM79LXX	TO-92	Low Output Current (I <sub>o</sub> =100mA)	<input type="checkbox"/> Output Current in excess of 100mA <input type="checkbox"/> External components are minimized <input type="checkbox"/> Internal protection circuit for output short	-5V,-12V,-15V,-18V and 24V Fixed output Voltage
LM79XXAZ CZ DZ	TO-252 TO-220 TO-263	High Output Current (I <sub>o</sub> =1A)	<input type="checkbox"/> Output Current in excess of 1A <input type="checkbox"/> External components are minimized <input type="checkbox"/> Internal protection circuit for output short	-5V,-6V,-8V,-9V,-12V, -15V,-18V and 24V Fixed output Voltage

**■3-Terminal Positive Adjustable Voltage Regulator**

Type	Package	Function	Feature	Application
LM317L	TO-92	Low Output Current (I <sub>o</sub> =100mA)	<input type="checkbox"/> Output Current in excess of 100mA <input type="checkbox"/> Positive output adjustable 1.2V ~ 37V <input type="checkbox"/> Internal short circuit current limiting	Floating operation for high-voltage operation
LM317CZ DZ	TO-220 TO-263	High Output Current (I <sub>o</sub> =1.5A)	<input type="checkbox"/> Output Current in excess of 1.5A <input type="checkbox"/> External components are minimized <input type="checkbox"/> Internal protection circuit for output short	Floating operation for high-voltage operation

**■Programmable Precision Shunt Regulator**

Type	Package	Function	Feature	Application
TL431 TL431S	TO-92 SOT-23	Programmable Precision shunt Regulator	<input type="checkbox"/> Programmable output voltage V <sub>ref</sub> ~38V <input type="checkbox"/> Low output noise voltage	<input type="checkbox"/> Switching regulator <input type="checkbox"/> Constant current source <input type="checkbox"/> Constant current sink
TL432 TL432S	TO-92 SOT-23	Programmable Precision shunt Regulator	<input type="checkbox"/> Programmable output voltage V <sub>ref</sub> ~12V <input type="checkbox"/> Low output noise voltage	<input type="checkbox"/> Switching regulator <input type="checkbox"/> Constant current source <input type="checkbox"/> Constant current sink

**INTEGRATED CIRCUIT**

**Low Drop Out Voltage Regulator**

Type	Package	Function	Feature	Application
WSL1084CZ DZ	TO-220 TO-263	Low Drop Out Adjustable Voltage Regulator(Io=5A)	<input type="checkbox"/> Operates Down to 1.1V Dropout <input type="checkbox"/> Guaranteed Dropout Voltage at Multiple Current Level <input type="checkbox"/> Full Current Rating Over Line and Temperature <input type="checkbox"/> Adjustable Output Voltage	<input type="checkbox"/> Post Regulator <input type="checkbox"/> High Current Processor Supplies <input type="checkbox"/> Output Voltage: 1.25V,2.5V,3.3 and Adjustable
WSL1085AZ CZ DZ	TO-252 TO-220 TO-263	Low Drop Out Adjustable Voltage Regulator(Io=3A)		
WSL1086AZ CZ DZ	TO-252 TO-220 TO-263	Low Drop Out Adjustable Voltage Regulator(Io=1.5A)		
WSL1117AZ DZ TZ	TO-252 TO-263 SOT-223	Low Drop Out Adjustable Voltage Regulator(Io=1A)		
WSL2931 RZ	TO-92 8SOP	Low Drop Out Adjustable Voltage Regulator(Io=100mA)	<input type="checkbox"/> Very low quiescent current <input type="checkbox"/> Input-Output differential less than 0.6v <input type="checkbox"/> Reverse Battery protection	<input type="checkbox"/> Battery power system <input type="checkbox"/> Cordless phone <input type="checkbox"/> Voltage reference
WSL2950/A	TO-92	Low Drop Out Adjustable Voltage Regulator(Io=150mA)		
WSL2951/A	8SOP	Low Drop Out Adjustable Voltage Regulator(Io=150mA)		

**Operational Amplifier**

Type	Package	Function	Feature	Application
WSL358RZ PZ	8SOP 8DIP	Dual OP Amp	<input type="checkbox"/> Internal frequency compensation for unit gain <input type="checkbox"/> Wide power supply range <input type="checkbox"/> Single supply operation	<input type="checkbox"/> DC summing amplifier <input type="checkbox"/> Power amplification <input type="checkbox"/> RC active bandpass Filter
WSL4558RZ PZ	8SOP 8DIP	Dual OP Amp	<input type="checkbox"/> Internal frequency compensation <input type="checkbox"/> Low noise operation	<input type="checkbox"/> Phone pre-amplifier <input type="checkbox"/> Tape playback amplifier
WSL324RZ PZ	14SOP 14DIP	Quad OP Amp	<input type="checkbox"/> Internal frequency compensation <input type="checkbox"/> Wide power supply range <input type="checkbox"/> Single supply: DC 3~32V <input type="checkbox"/> Dual supply:DC ± 1.5V~± 16V	<input type="checkbox"/> Audio Power Booster <input type="checkbox"/> DC amp,Multivirator <input type="checkbox"/> Switch,Compator

**Voltage Comparator**

Type	Package	Function	Feature	Application
STL393RZ PZ	8SOP 8DIP	Dual Comparator	<input type="checkbox"/> High Precision Comparator <input type="checkbox"/> Low Input biasing current:25nA <input type="checkbox"/> Low output saturationvoltage:250mA	<input type="checkbox"/> Basic Comparator <input type="checkbox"/> Pulse Comparator <input type="checkbox"/> MOS clock driver
STL339RZ PZ	14SOP 14DIP	Quad Comparator	<input type="checkbox"/> Wide single supply voltage range or dual suppls <input type="checkbox"/> Very low supply current drain	<input type="checkbox"/> Bi-stable multivibrator <input type="checkbox"/> Time delay generatory <input type="checkbox"/> Limit Comparator