

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: SMA5131

Manufacturer: Sanken Electric USA Inc.

Package: Please confirm with sales

Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/sanken-electric-usa-inc/sma5131.html>

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Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

●For 3-Phase Motor Drivers

Part Number	Circuit Count	V _{CE0} (V)/ V _{DSS} (V)/ V _{CEs} (V)	I _C (A)/ I _D (A)	h _{FE} (min)	R _{DS(ON)} max (Ω)	Equivalent Circuit	Package
STA303A	3	100	4	1000		4	SIP8 (STA8Pin)
STA302A	3	-50	-4	1000		5	SIP8 (STA8Pin)
SLA5212	6	35	±8		70m	14	SIP15 with Fin (SLA15Pin)
SLA5096	6	55	±8		80m	14	SIP15 with Fin (SLA15Pin)
SLA5059	6	60	±4		0.55	6	SIP12 with Fin (SLA12Pin)
SLA5060	6	60	±6		0.22	6	SIP12 with Fin (SLA12Pin)
SLA5061	6	60	±10		0.14	6	SIP12 with Fin (SLA12Pin)
SLA5064	6	60	±10		0.14	7	SIP12 with Fin (SLA12Pin)
SMA6080	6	±60	±2	2000		9	SIP12 (SMA12Pin)
SMA6010	6	±60	±4	2000		9	SIP12 (SMA12Pin)
SLA6012	6	±60	±4	2000		8	SIP12 with Fin (SLA12Pin)
SMA5127	6	±60	±4		0.55	10	SIP12 (SMA12Pin)
SLA5022	6	±60	±6	2000	0.22	11	SIP12 with Fin (SLA12Pin)
SLA6023	6	±60	±6	2000		8	SIP12 with Fin (SLA12Pin)
SLA6024	6	±60	±8	2000		8	SIP12 with Fin (SLA12Pin)
SLA6026	6	±60	±10	2000		8	SIP12 with Fin (SLA12Pin)
SMA5125	6	±60	±10		0.14	7	SIP12 (SMA12Pin)
SLA6022	6	±80	±5	2000		8	SIP12 with Fin (SLA12Pin)
SLA6020	6	±100	±5	2000		9	SIP12 with Fin (SLA12Pin)
SMA5130	6	±250	±2.5	2000	0.9	16	SIP15 (SMA15Pin)
→ SMA5131	6	250	2		1.8	13	SIP12 (SMA12Pin)
SMA5112	6	250	7		0.5	13	SIP12 (SMA12Pin)
SMA5117	6	250	7		0.25	13	SIP12 (SMA12Pin)
SMA5132	6	500	1.5		4	13	SIP12 (SMA12Pin)
SMA5133	6	500	2.5		2	13	SIP12 (SMA12Pin)
SLA5075	6	500	±5		1.4	12	SIP15 with Fin (SLA15Pin)
SMA5118	6	500	±5		1.4	13	SIP12 (SMA12Pin)
SLA5201	6	600	7			15	SIP15 with Fin (SLA15Pin)

●For Driving Stepping Motor with Two Supplies

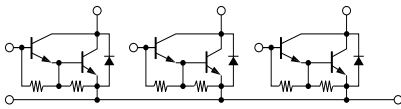
Part Number	Circuit Count	V _{CE0} (V)/ V _{DSS} (V)	I _C (A)/ I _D (A)	h _{FE} (min)	R _{DS(ON)} max (Ω)	Equivalent Circuit	Package
SMA6511	5	100±15/-60	1.5/-3	2000		17	SIP12 (SMA12Pin)

●For 5-Phase Motor Drive

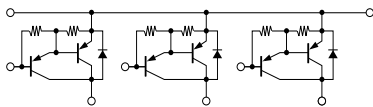
Part Number	Circuit Count	V _{CE0} (V)/ V _{DSS} (V)	I _C (A)/ I _D (A)	h _{FE} (min)	R _{DS(ON)} max (Ω)	Equivalent Circuit	Package
SLA5074	4	60	5		0.3	18	SIP15 with Fin (SLA15Pin)
SLA5065	4	60	7		0.1	18	SIP15 with Fin (SLA15Pin)
SLA5073	6	60	5		0.3	14	SIP15 with Fin (SLA15Pin)
SLA5068	6	60	7		0.1	14	SIP15 with Fin (SLA15Pin)

●Equivalent Circuit (for Motor Driver)

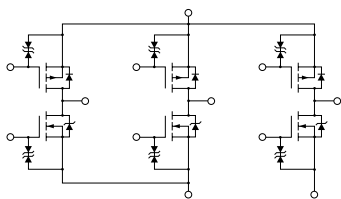
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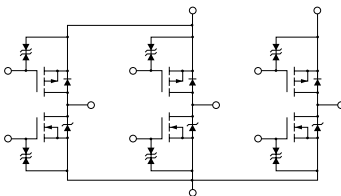
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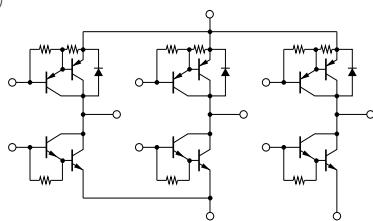
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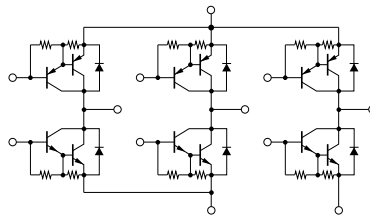
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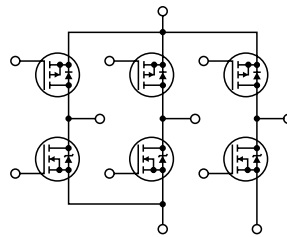
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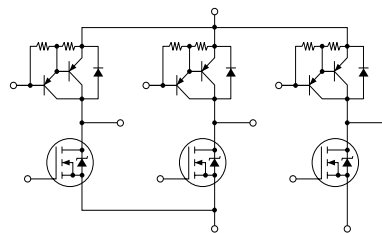
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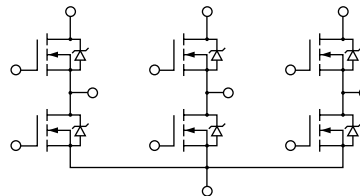
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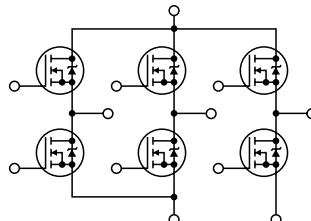
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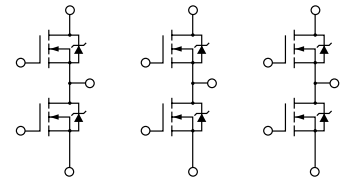
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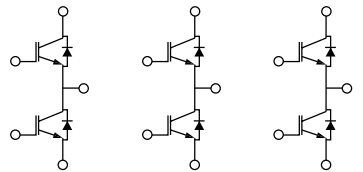
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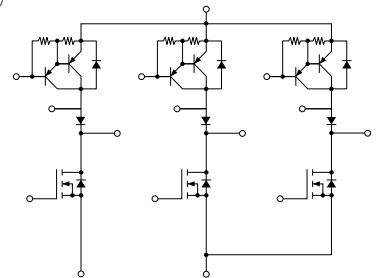
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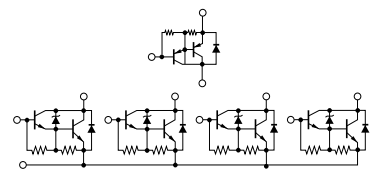
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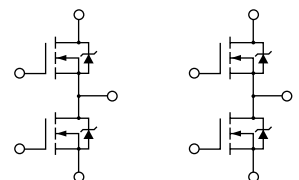
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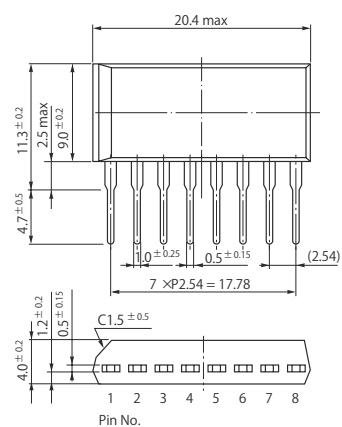
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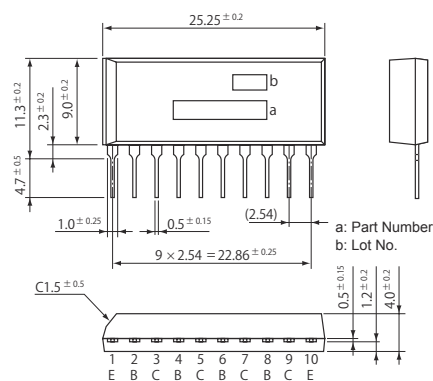
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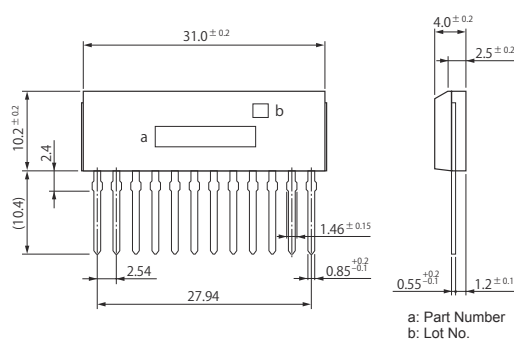
• SIP 8 (STA8Pin)



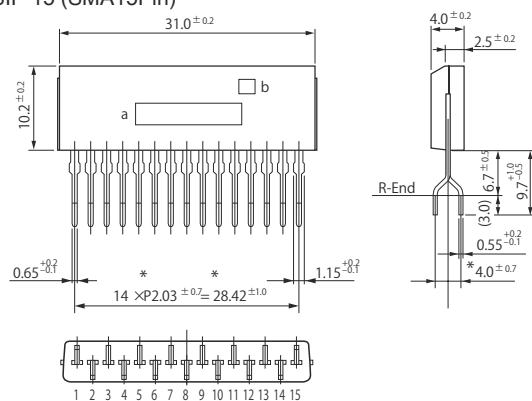
• SIP 10 (STA10Pin)



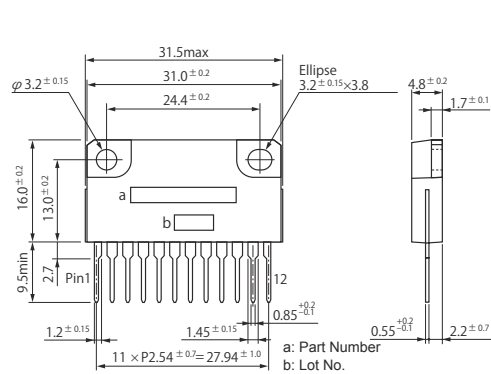
• SIP 12 (SMA12Pin)



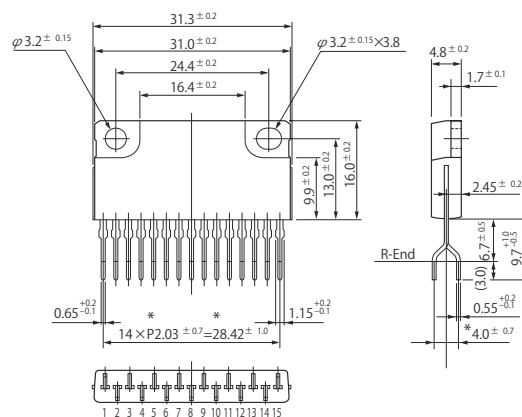
• SIP 15 (SMA15Pin)



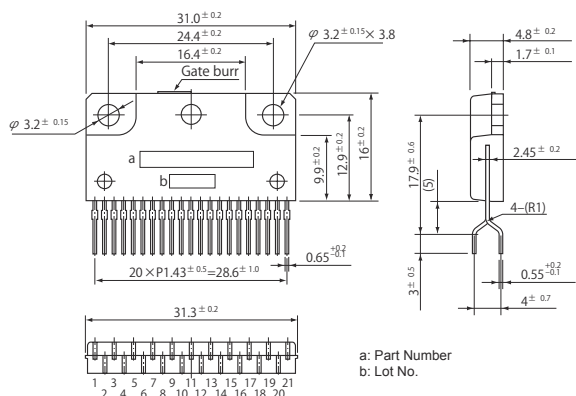
• SIP 12 with Fin (SLA12Pin)



• SIP 15 with Fin (SLA15Pin)



• SIP 21 with Fin (SLA21Pin)



(Unit:mm)