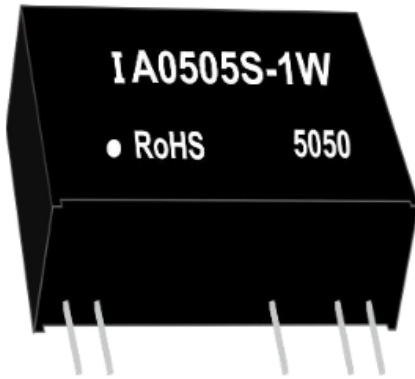


Constant voltage input non
regulated dual output

Key features



RoHS

- Well temperature characteristics
- Isolation voltage: 3000VDC
- Small S/DIP package
- Internal SMT design
- Meet RoHS certification requirements

Electrical specifications

Model	Input voltage range (V)	Output voltage / current	Min Output current (mA)	MAX capacitive load (uF)	Efficiency (%)
IA0505S-1W	4.5 ~ 5.5	±5VDC/±100mA	±10	10	62
IA0512S-1W	4.5 ~ 5.5	±12VDC/±42mA	±4	4.7	65
IA0515S-1W	4.5 ~ 5.5	±15VDC/±33mA	±3	2.2	65
IA0524S-1W	4.5 ~ 5.5	±24VDC/±21mA	±2	1	68
IA1205S-1W	10.8 ~ 13.2	±5VDC/±100mA	±10	10	65
IA1212S-1W	10.8 ~ 13.2	±12VDC/±42mA	±4	4.7	65
IA1215S-1W	10.8 ~ 13.2	±15VDC/±33mA	±3	2.2	62
IA1224S-1W	10.8 ~ 13.2	±24VDC/±21mA	±2	1	65
IA1505S-1W	13.5 ~ 16.5	±5VDC/±100mA	±10	10	64
IA1512S-1W	13.5 ~ 16.5	±12VDC/±42mA	±4	4.7	62
IA1515S-1W	13.5 ~ 16.5	±15VDC/±33mA	±3	2.2	65
IA1524S-1W	13.5 ~ 16.5	±24VDC/±21mA	±4	1	66
IA2405S-1W	21.6 ~ 26.4	±5VDC/±100mA	±10	10	68
IA2412S-1W	21.6 ~ 26.4	±12VDC/±42mA	±4	4.7	64
IA2415S-1W	21.6 ~ 26.4	±15VDC/±33mA	±3	2.2	62
IA2424S-1W	21.6 ~ 26.4	±24VDC/±21mA	±2	1	63

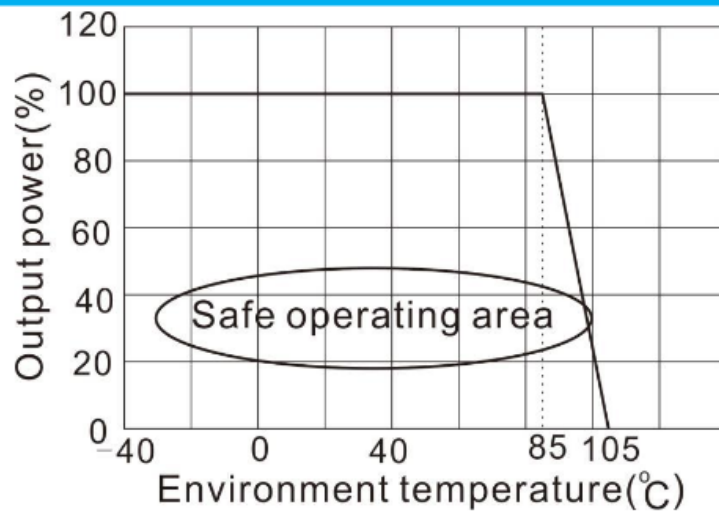
Normal characteristics

Output voltage accuracy(Nominal input voltage,100%load)	-2 (MIN) ,+2(MAX)
(Load regulation	±1(MAX)
Output voltage regulation	1(TYP) ±0.25 (MAX)



Ripple and noise(20MHz of bandwidth,Nominal input voltage,100%load)	30 mV(TYP) 50mV(MAX)
Switching frequency	100KHz(TYP)
Temperature coefficient(Nominal input voltage,100%load, -40°C ~ +85°C)	±0.03%/°C(MAX)
Storage humidity	95%(MAX)
Environment temperature	-40°C ~ 85°C
Ripple and noise(20MHz of bandwidth,Nominal input voltage,100%load)	-55°C ~ 125°C
Shell temperature in working	35°C (TYP)
Isolation characteristics(Test time: 1Min, leakage current<0.5mA)	3000VDC
Cooling method	Natural cooling
Mean Time Between Failures (TA=25°C)	one million hours
Isolation resistance (Isolation voltage:500VDC)	1000MΩ(MIN)
Shell material	Flame retardant and heat resistant plastic)

Output derating



Method of testing Ripple and Noise