

- Wide temperature performance at full load -40°C to 85°C
- Single isolated output
- 1KVDC isolation
- Efficiency to 78%
- 5V & 12V input
- 5V, 9V, 12V and 15V output
- Toroidal magnetics
- Internal SMD construction
- No heatsink required
- **UL 94V-0** package material
- Lead free compatible
- Lead frame technology
- RoHS Compliant

Nominal Input Voltage (V)	Output Voltage (V)	Output Current (mA)	Mfrs List No.	Order Code
5	5	200	NTE0505MC	102-1599
5	9	111	NTE0509MC	102-1600
5	12	83	NTE0512MC	102-1601
5	15	66	NTE0515MC	102-1602
12	5	200	NTE1205MC	102-1603
12	9	111	NTE1209MC	102-1604
12	12	83	NTE1212MC	102-1605
12	15	66	NTE1215MC	102-1607

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Order Code	1+	10+	25+	50+	+
NTE Series All Order Codes	501.00	476.00	447.00	391.00	--

Isolated 1W Dual Output Surface Mount NTA Series



Pin out specification
 Pin 1 GND
 Pin 3 Vin
 Pin 5 NA
 Pin 7 0V
 Pin 9 -V
 NA - Not available for electrical connection

Pin 10 NA
 Pin 12 +V
 Pin 14 NA
 Pin 16 NA
 Pin 18 NA

- Wide temperature performance at full load -40°C to 85°C
- Dual isolated output
- 1KVDC isolation
- Efficiency to 80%
- 5V & 12V inputs
- Toroidal magnetics
- 5V, 9V, 12V, and 15V output
- Internal SMD construction
- No heatsink required
- **UL 94V-0** package material
- Lead free compatible
- Lead frame technology
- RoHS Compliant

Nominal Input Voltage (V)	Output Voltage (V)	Output Current (mA)	Mfrs List No.	Order Code
5	5	±100	NTA0505MC	102-1591
5	9	±55	NTA0509MC	102-1592
5	12	±42	NTA0512MC	102-1593
5	15	±33	NTA0515MC	102-1594
12	5	±100	NTA1205MC	102-1595
12	9	±55	NTA1209MC	102-1596
12	12	±42	NTA1212MC	102-1597
12	15	±33	NTA1215MC	102-1598

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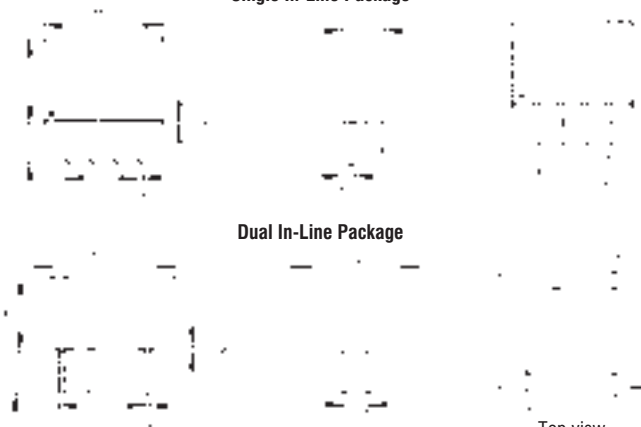
Order Code	1+	10+	25+	50+	+
NTA Series All Order Codes	501.00	476.00	447.00	415.00	--

1W - Single Output NME Series Subminiature - 1kV Isolation



- SIL and DIL package styles
- Power density 1.45W/cm³
- 1kVdc isolation single output
- **UL 94V-0** package material
- Efficiency to 80%
- No heatsink or external components required
- RoHS Compliant

Single In-Line Package



Dual In-Line Package

Top view

Nominal input voltage	5,12, 24V	Output voltage accuracy	+10%, -7.5%(10% to 100% load)
Input voltage range	±10%	Output ripple and noise	110mV pk to pk (5, 12, 24V)
Load voltage regulation	±(5, 12, 24V) (min. load 10%)		

SIL Package				DIL Package			
Vin	Vo	Mfrs. List No.	Order Code	Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
5	5	NME0505SC	102-1456	NME0505DC	102-1455		
5	12	NME0512SC	102-1458	NME0512DC	102-1457		
5	15	NME0515SC	102-1460	NME0515DC	102-1459		
12	5	NME1205SC	102-1463	NME1205DC	102-1462		
12	12	NME1212SC	102-1465	NME1212DC	102-1464		
12	15	NME1215SC	102-1466				
24	5	NME2405SC	102-1468	NME2405DC	102-1467		
24	12	NME2412SC	102-1470	NME2412DC	102-1469		
24	15	NME2415SC	102-1472	NME2415DC	102-1471		

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Order Code	1+	10+	25+	50+	+
NME05 Series All Order Codes	501.00	476.00	453.00	408.00	--
NME12 Series All Order Codes	527.00	501.00	475.00	456.00	--
NME24 Series All Order Codes	605.00	563.00	544.00	489.00	--

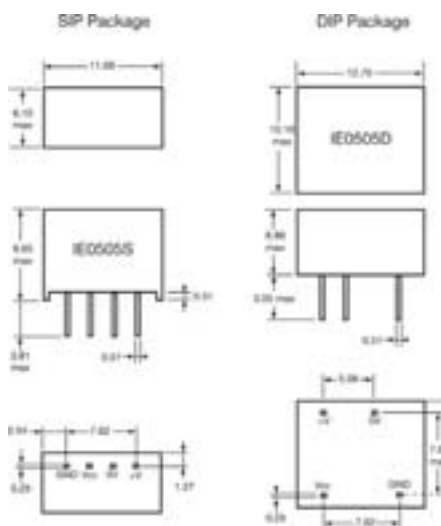
1W Isolated DC/DC Converters Single Output - IE Series



A new low cost range of 1W isolated dc/dc converters. The IE series has single outputs ranging from 5 Vdc to 15 Vdc with inputs of 5, 12, or 24 Vdc. The units are available in both SIP and DIP package styles and feature short circuit protection.



- Low cost
- Industry standard pin-out
- 1 kVdc isolation
- -40°C to +85°C @ full load
- UL94V-0 material



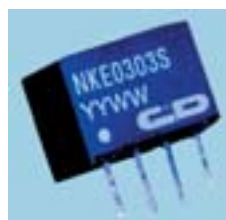
Input Range	Nominal ±10%
Line Regulation	1.2%/1% ΔVin
Load Regulation	±8% 20-100% load
Ripple & Noise	100 mV pk-pk
Short Circuit Protection	1 s max
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +125°C
Isolation Voltage	1000 Vdc min
Efficiency	Up to 80%

SIP Package				DIP Package			
Input Voltage	Output Voltage	Output Current	Mfrs. List No.	Order Code	Mfrs. List No.	Order Code	
5 Vdc	5 Vdc	200 mA	IE0505S	872-7694	IE0505D	872-7686	
5 Vdc	12 Vdc	84 mA	IE0512S	872-7716	IE0512D	872-7708	
5 Vdc	15 Vdc	66 mA	IE0515S	872-7732	IE0515D	872-7724	
12 Vdc	5 Vdc	200 mA	IE1205S	872-7759	IE1205D	872-7740	
12 Vdc	12 Vdc	84 mA	IE1212S	872-7775	IE1212D	872-7767	
12 Vdc	15 Vdc	66 mA	IE1215S	872-7783	-	-	
24 Vdc	5 Vdc	200 mA	IE2405S	872-7805	IE2405D	872-7791	
24 Vdc	12 Vdc	84 mA	IE2412S	872-7821	IE2412D	872-7813	
24 Vdc	15 Vdc	66 mA	IE2415S	872-7848	IE2415D	872-7830	

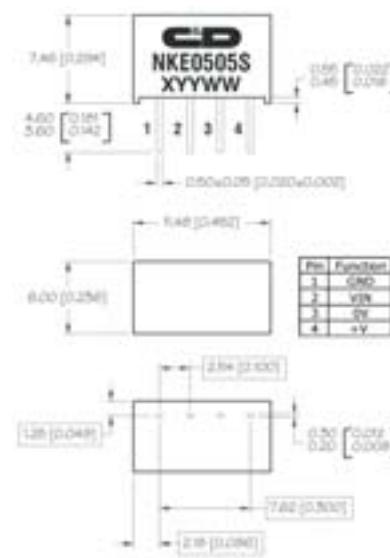
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Mfrs. List No.	Order Code	1+	10+	25+	50+	+
IE05 Series All Order Codes		391.00	367.00	359.00	347.00	--
IE12 Series All Order Codes		411.00	386.00	378.00	366.00	--
IE24 Series All Order Codes		473.00	444.00	435.00	420.00	--

Isolated 1W Single Output DC/DC Converters NKE Series



- 3kVDC isolation
- Efficiency up to 81%
- Wide temperature performance at full 1 Watt load, -40°C to 85°C
- Power density to 1.95W/cm³
- **UL 94V-0** package material
- Footprint at 0.69cm²
- Single isolated output
- Industry standard pinout
- 3.3V, 5V & 12V input
- 3.3V, 5V, 9V, 12V and 15V output
- No heatsink required
- Internal SMD construction



Power Supplies & DC to DC Convertors

20

Compliant
 Non-compliant
 Limited stock - RoHS replacement available
RoHS