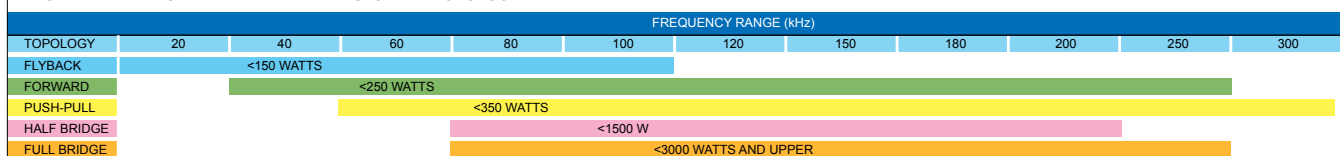


# Preferred Core Geometries Per SMPS Transformer Topology

CORE SHAPE	CORE TYPE	CORE SIZE	BOBBIN FALCO P/N	CROSS SECTION AREA Ac(cm <sup>2</sup> )	MAGNETIC PATH LENGTH (cm)	WaAc (cm <sup>4</sup> )	CORE VOLUMEN (cm <sup>3</sup> )	FLYBACK	FORWARD	PUSH-PULL	HALF BRIDGE	FULL BRIDGE
	EE	EE16	1809-302-001	0.200	3.57	0.041	0.715					
			1809-402-002									
			1809-402-003									
		EE16L	1813-302-002	0.191	5.58	0.076	1.060					
			1819-402-001									
		EE187	1809-402-002	0.288	4.01	0.076	0.915					
			1809-313-001									
		EE2425	1812-331-002	0.385	4.85	0.162	1.870					
			1812-421-001									
			1812-331-006									
			1812-313-017									
		EE30/7	1812-402-001	0.600	6.56	0.500	3.940					
			1822-302-002									
		E375	1831-331-002	0.840	6.94	0.856	5.830					
			1831-331-004									
		E21	1831-431-002	1.520	7.75	1.480	11.800					
			1842-313-003									
		EE42/20	1842-331-006	2.370	9.84	4.590	23.300					
			1842-412-11001									
		EE625	1849-302-001	2.390	8.90	2.770	21.130					
1849-431-001												
EE65/21	1849-402-001	3.500	12.30	9.910	43.100							
	1862-313-001											
EE65/27	1865-331-001	5.320	14.70	31.000	78.000							
	1870-302-002											
EE70/32	1885-331-001	6.860	15.00	41.200	102.900							
	1899-302-001											
	EFD	EFD15	4815-302-11-001	0.150	3.40	0.047	0.510					
			4815-502-001									
			4820-302-002									
		EFD20	4820-542-001	0.310	4.70	0.155	1.450					
			4825-302-003									
		EFD25	4825-302-002	0.580	5.70	0.233	3.300					
			4825-302-001									
		ER	ER28S	3628-313-002	0.821	6.40	0.895	5.250				
			ER28	3629-402-001	0.883	6.57	1.090	5.798				
			ER28/17	3628-302-002	0.814	7.55	1.150	6.140				
ER35/20	3628-402-11-002		1.070	9.08	2.250	9.700						
	3635-302-11001											
3635-402-11-001												
ETD	ETD29	3229-431-001	0.736	7.10	1.070	5.220						
	ETD34	3234-431-002	0.971	7.90	1.821	7.680						
	ETD39	3234-431-003	1.250	9.27	2.210	11.800						
		3239-331-001										
	3239-302-001											
3239-431-001												
ETD49	3249-302-003	2.130	11.40	8.000	24.600							
PQ	PQ20/20	2820-402-002	0.620	4.54	0.238	2.800						
	PQ26/25	2820-402-11-003	1.180	5.55	0.590	6.530						
		2820-402-008										
	PQ32/30	2826-431-001	1.610	7.46	1.600	11.950						
	PQ35/35	2832-431-003	1.960	8.79	3.120	17.200						

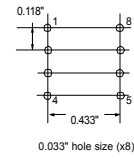
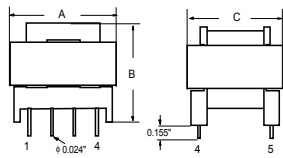
- WaAc : core area product.
- For Bobbin Falco P/N information visit our web site.

## POWER HANDLING CAPABILITY PER TRANSFORMER TOPOLOGY



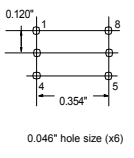
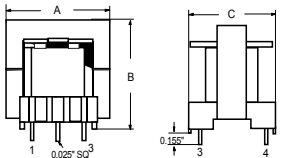
## EE16 - Through Hole

### HORIZONTAL- 8 PINS STK1809-302-001



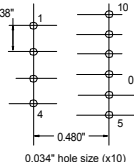
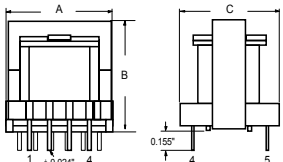
A MAX.	B MAX.	C MAX.
0.670"	0.650"	0.590"

### VERTICAL - 6 PINS STK1809-402-002



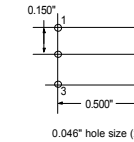
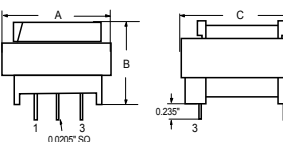
A MAX.	B MAX.	C MAX.
0.670"	0.790"	0.550"

### VERTICAL - 10 PINS STK1809-402-003



A MAX.	B MAX.	C MAX.
0.700"	0.710"	0.635"

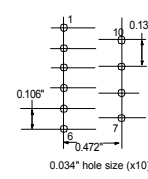
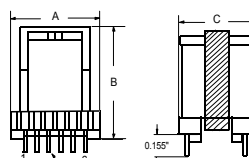
### HORIZONTAL - 6 PINS STK1813-302-002



A MAX.	B MAX.	C MAX.
0.700"	0.530"	0.700"

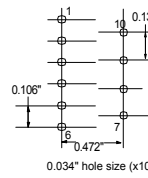
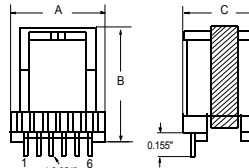
## EE16L - Through Hole

### VERTICAL - 10 PINS STK1819-402-001



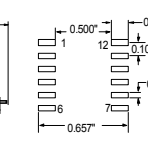
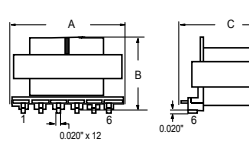
A MAX.	B MAX.	C MAX.
0.830"	1.240"	0.728"

### VERTICAL - 6 PINS STK1809-402-002



A MAX.	B MAX.	C MAX.
0.800"	1.105"	0.689"

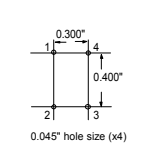
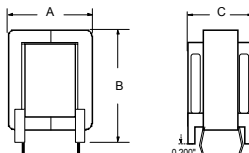
### HORIZONTAL - 12 PINS STK1809-313-001



A MAX.	B MAX.	C MAX.
0.670"	0.645"	0.830"

## EE187 - Through Hole

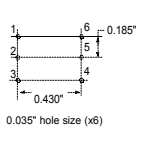
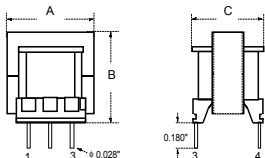
### HORIZONTAL 4 PINS STK1812-331-002



A MAX.	B MAX.	C MAX.
0.720"	1.000"	0.600"

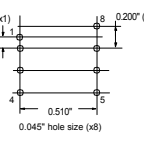
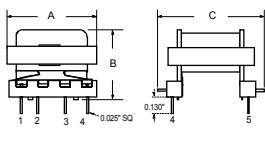
## EE187 - Through Hole

### VERTICAL 6 PINS STK1812-421-001



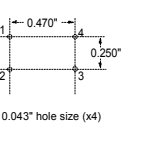
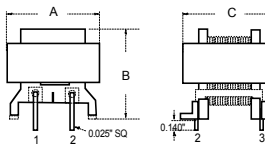
A MAX.	B MAX.	C MAX.
0.780"	0.750"	0.750"

### HORIZONTAL - 8 PINS STK1812-331-006



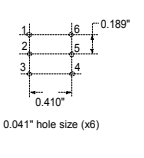
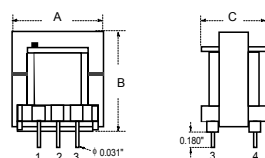
A MAX.	B MAX.	C MAX.
0.830"	0.690"	0.930"

### HORIZONTAL 4 PINS STK1812-313-017



A MAX.	B MAX.	C MAX.
0.810"	0.940"	0.700"

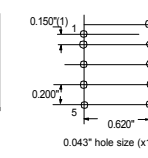
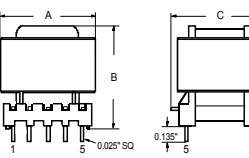
### VERTICAL 6 PINS STK1812-402-001



A MAX.	B MAX.	C MAX.
0.810"	0.800"	0.410"

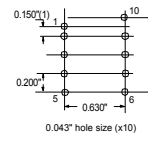
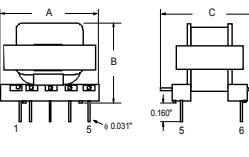
## EE2425 - Through Hole

### HORIZONTAL-10 PINS STK1814-312-001



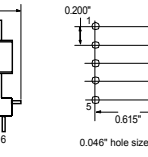
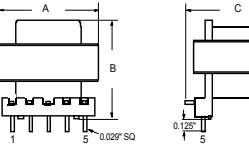
A MAX.	B MAX.	C MAX.
1.040"	1.100"	1.130"

### HORIZONTAL-10 PINS STK1814-321-001



A MAX.	B MAX.	C MAX.
1.100"	0.950"	1.100"

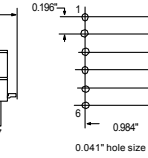
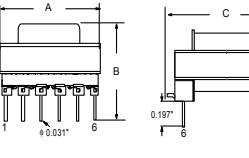
### HORIZONTAL-10 PINS STK1814-331-003



A MAX.	B MAX.	C MAX.
1.100"	1.200"	1.100"

## EE30/7 - Through Hole

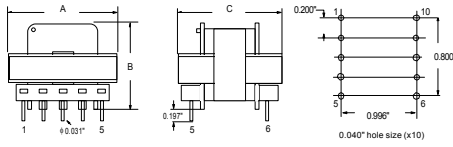
### HORIZONTAL-12 PINS STK1822-302-001



A MAX.	B MAX.	C MAX.
1.235"	0.925"	1.310"

## EE30/7 - Through Hole

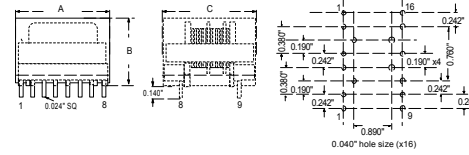
### HORIZONTAL 10 PINS STK1822-302-002



A MAX.	B MAX.	C MAX.
1.250"	0.850"	1.250"

## E21 - Through Hole

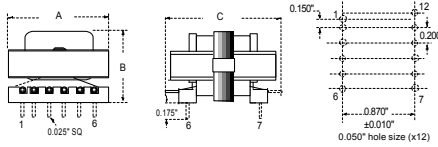
### HORIZONTAL-16 PINS STK1842-313-003



A MAX.	B MAX.	C MAX.
1.800"	1.230"	1.450"

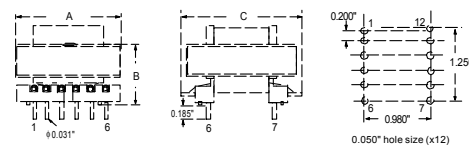
## E375 - Through Hole

### HORIZONTAL-12 PINS STK1831-331-002



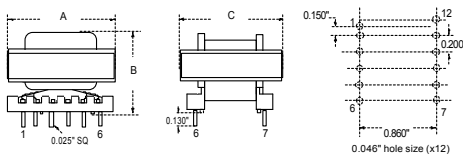
A MAX.	B MAX.	C MAX.
1.500"	1.020"	1.400"

### HORIZONTAL-12 PINS STK1842-331-006



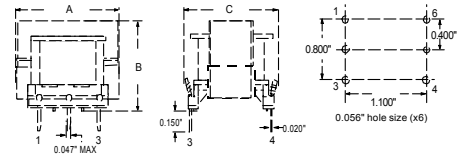
A MAX.	B MAX.	C MAX.
1.650"	1.250"	1.550"

### HORIZONTAL-12 PINS STK1831-331-004



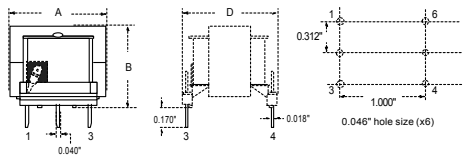
A MAX.	B MAX.	C MAX.
1.500"	1.250"	1.350"

### VERTICAL- 6 PINS STK1842-412-11001



A MAX.	B MAX.	C MAX.
1.750"	1.430"	1.400"

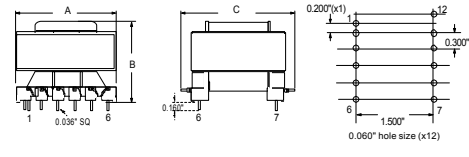
### HORIZONTAL- 6 PINS STK1831-431-002



A MAX.	B MAX.	C MAX.
1.395"	1.213"	1.150"

## EE42/20 - Through Hole

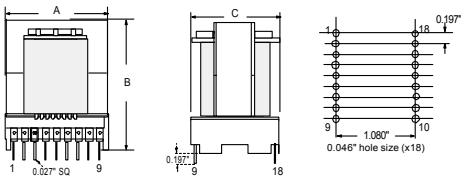
### HORIZONTAL-12 PINS STK1849-302-001



A MAX.	B MAX.	C MAX.
1.830"	1.750"	1.875"

## EE42/20 - Through Hole

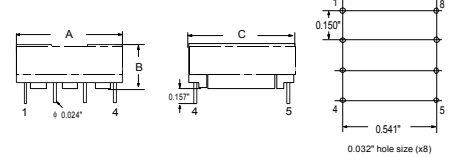
### VERTICAL 18 PINS STK1849-431-001



A MAX.	B MAX.	C MAX.
1.890"	2.050"	1.600"

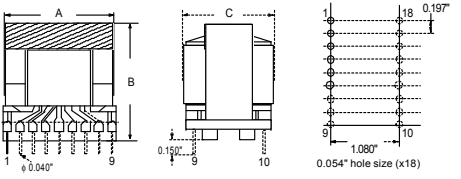
## EFD15 - Through Hole/SMD

### HORIZONTAL 8 PINS STK4815-302-11-001



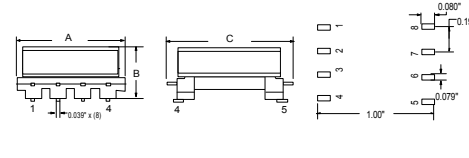
A MAX.	B MAX.	C MAX.
0.640"	0.350"	0.650"

### VERTICAL 18 PINS STK1849-402-001



A MAX.	B MAX.	C MAX.
1.900"	2.070"	1.850"

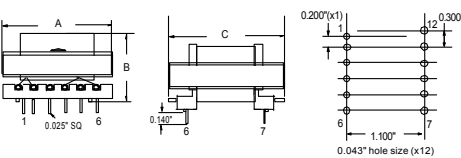
### HORIZONTAL 8 PINS STK4815-502-001



A MAX.	B MAX.	C MAX.
0.670"	0.360"	1.000"

## EE625 - Through Hole

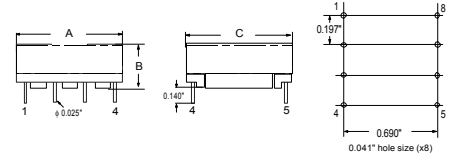
### HORIZONTAL-12 PINS STK1862-313-001



A MAX.	B MAX.	C MAX.
1.920"	1.320"	1.650"

## EFD20 - Through Hole/SMD

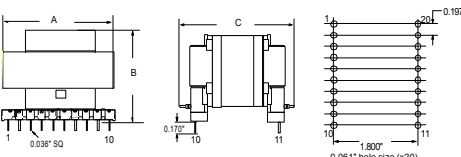
### HORIZONTAL 8 PINS STK4820-302-002



A MAX.	B MAX.	C MAX.
0.830"	0.480"	0.860"

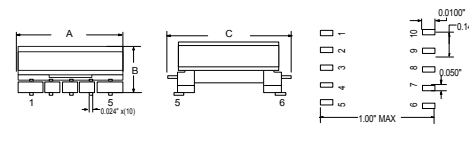
## EE55/21 - Through Hole

### HORIZONTAL-20 PINS STK1855-331-001



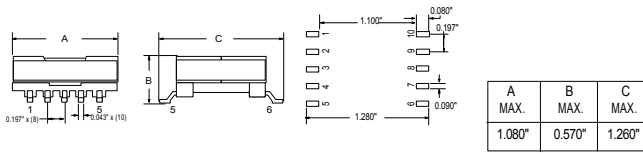
A MAX.	B MAX.	C MAX.
2.400"	2.050"	2.375"

### HORIZONTAL-10 PINS STK4820-542-001

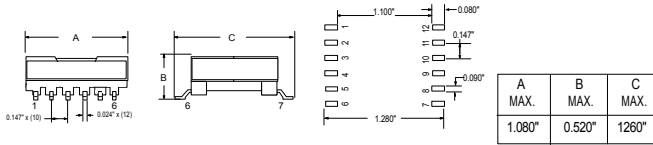


A MAX.	B MAX.	C MAX.
0.875"	0.410"	1.130"

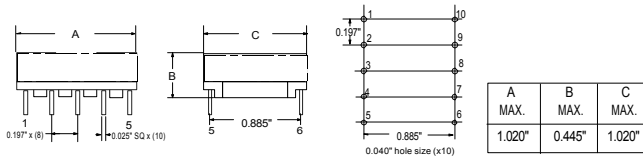
## EFD25 - SMD & Through Hole HORIZONTAL 10 PINS STK4825-302-003



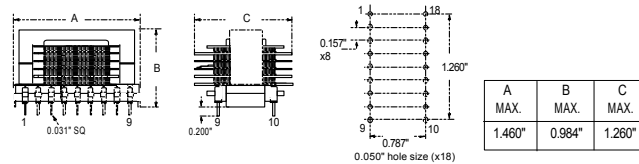
## HORIZONTAL-12 PINS STK4825-302-002



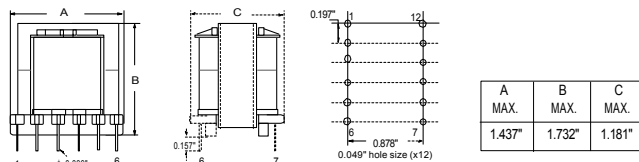
## HORIZONTAL-10 PINS STK4825-302-001



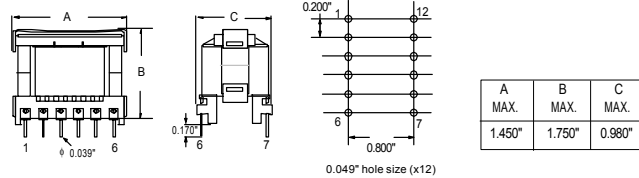
## ER28S - Through Hole VERTICAL - 18 PINS STK3628-313-002



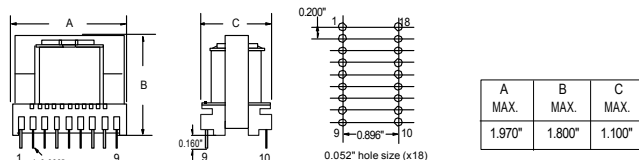
## EE35/20 - Through Hole VERTICAL 12 PINS STK3635-402-11-001



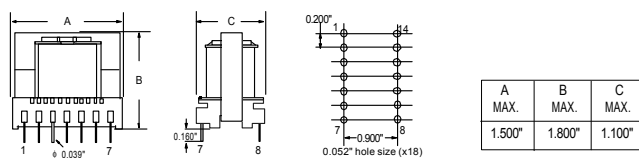
## ETD29 - Through Hole VERTICAL -12 PINS STK3229-431-001



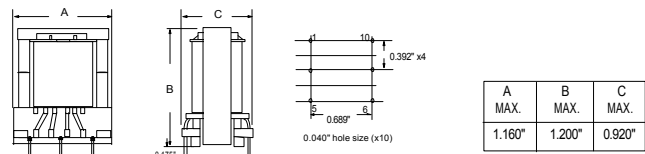
## ETD34 - Through Hole VERTICAL -18 PINS STK3234-431-002



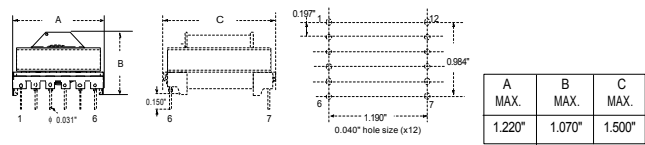
## VERTICAL -14 PINS STK3234-431-003



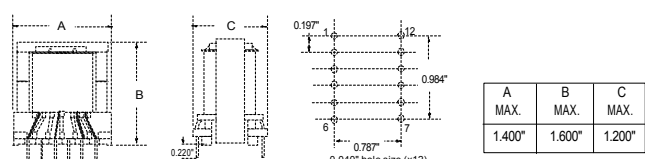
## ER28 - Through Hole VERTICAL 10 PINS STK3629-402-001



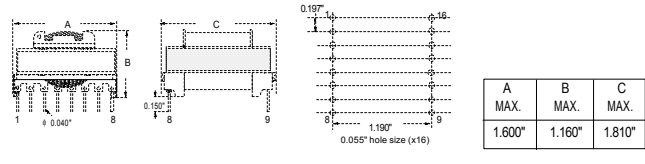
## ER28/17 - Through Hole HORIZONTAL-12 PINS STK3628-302-002



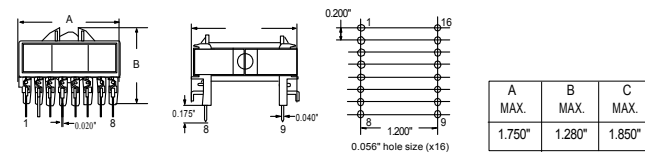
## VERTICAL-12 PINS STK3628-402-11-002



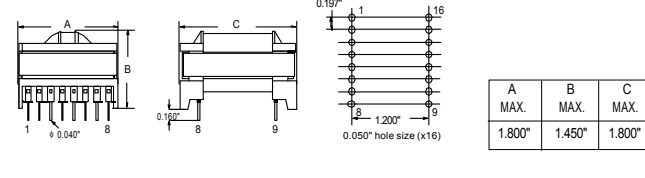
## EE35/20 - Through Hole HORIZONTAL-16 PINS STK3635-302-11001



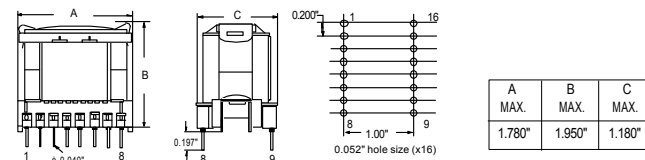
## ETD39 - Through Hole HORIZONTAL-16 PINS STK3239-331-001



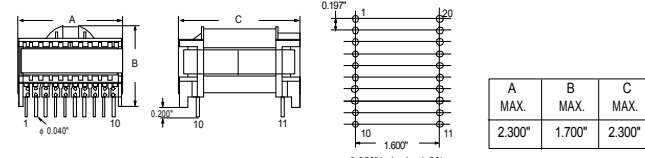
## HORIZONTAL-16 PINS STK3239-302-001



## VERTICAL-16 PINS STK3239-431-001

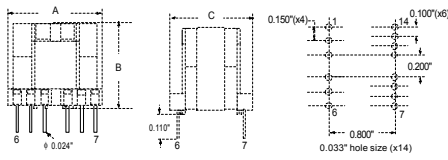


## ETD49 - Through Hole HORIZONTAL-20 PINS STK3249-302-003



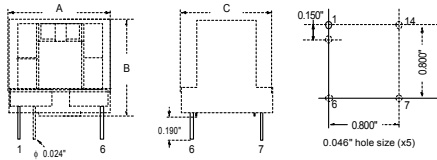
## PQ20/20 - Through Hole

### VERTICAL-14 PINS STK2820-402-002



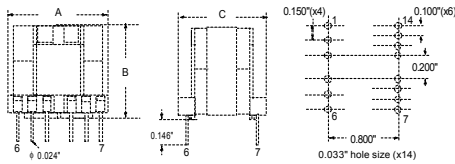
A	B	C
MAX.	MAX.	MAX.
0.930"	0.950"	0.950"

### VERTICAL-5 PINS STK2820-402-11-003



A	B	C
MAX.	MAX.	MAX.
1.005"	1.080"	1.005"

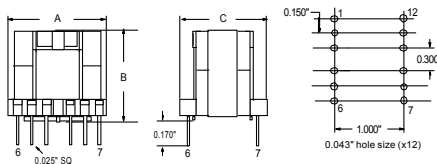
### VERTICAL-14 PINS STK2820-402-008



A	B	C
MAX.	MAX.	MAX.
0.950"	1.015"	0.950"

## PQ26/25 - Through Hole

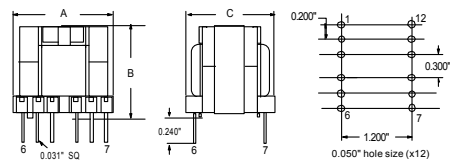
### VERTICAL-12 PINS STK2826-431-001



A	B	C
MAX.	MAX.	MAX.
1.150"	1.150"	1.210"

## PQ32/30 - Through Hole

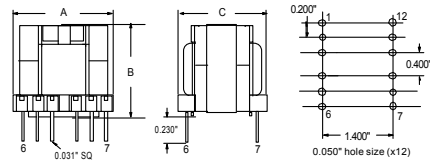
### VERTICAL-12 PINS STK2832-431-003



A	B	C
MAX.	MAX.	MAX.
1.340"	1.360"	1.370"

## PQ35/35 - Through Hole

### VERTICAL-12 PINS STK2835-402-001



A	B	C
MAX.	MAX.	MAX.
1.550"	1.550"	1.650"