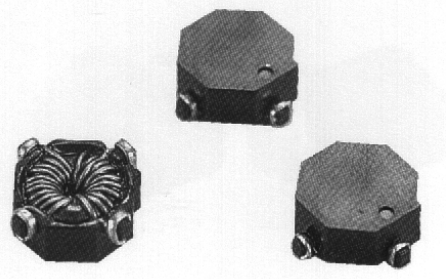




low profile - encapsulated - toroidal - open - pcb or rack - inductor

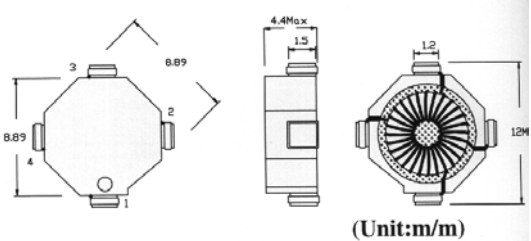
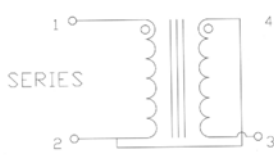
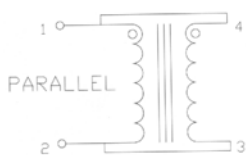
# SMT Power Transformers      Type: AYC2552



## Features

- @ Used in design applications as single inductors, dual inductors, or 1:1 transformers providing isolation between the two windings.
- @ When used as inductors, it provides low inductance with high current if wired in parallel, or high Inductance with lower current if wired in series.
- @ When used as 1:1 transformers, they provide electrical isolation and extremely wide voltage transformation in the fly back mode.

PIN CONNECTION



(Unit:m/m)

PART NUMBER	Open circuit Inductance +20% (uH)	Full load Inductance Min. (uH)	Full load Current Adc	DC Resistance Ohm Max.	Open circuit Inductance +20% (uH)	Full load Inductance Min. (uH)	Full load Current Adc	DC Resistance Ohm Max.
<b>Connection</b>	Parallel				Series			
<b>AYC2552 5</b>	4.8	2.7	2.3	0.03	19.8	10.6	1.2	0.12
<b>AYC2552 8</b>	7.9	4.1	2.0	0.04	32.0	16.3	1.0	0.16
<b>AYC2552 10</b>	9.9	4.9	1.9	0.04	40.6	19.4	1.0	0.18
<b>AYC2552 15</b>	14.4	8.7	1.1	0.08	57.6	35.0	0.6	0.32
<b>AYC2552 20</b>	20.3	11.5	1.0	0.15	83.9	46.2	0.5	0.58
<b>AYC2552 25</b>	24.3	16.4	0.7	0.17	100.2	65.4	0.4	0.67
<b>AYC2552 33</b>	33.7	19.8	0.7	0.29	131.9	79.4	0.4	1.17
<b>AYC2552 50</b>	49.7	29.3	0.6	0.37	203.0	117.4	0.3	1.46
<b>AYC2552 68</b>	67.4	39.7	0.5	0.52	276.5	158.9	0.3	2.07
<b>AYC2552 82</b>	82.4	48.5	0.5	0.69	331.0	196.4	0.2	2.76
<b>AYC2552 100</b>	100.3	58.7	0.4	0.79	406.2	234.9	0.2	3.14
<b>AYC2552 150</b>	150.8	85.2	0.4	0.97	607.5	340.6	0.2	3.86
<b>AYC2552 200</b>	202.4	107.6	0.4	1.14	817.2	430.4	0.2	4.57