

# HIGH CURRENT TOROID INDUCTORS

## FA3216-V&H SERIES



### FEATURES:

DC/DC converter, EMI filter applications.  
 Low radiation.  
 Low core loss.  
 Test Frequency Response: 1KHz, 0.3mV.  
 High current capacity.  
 Operating temperature: -55°C to +125°C.  
 Current to cause 30°C Max. temperature rise.

### PRODUCT IDENTIFICATION:

$$\frac{3216}{a} \frac{V}{b} \frac{330}{c} \frac{L}{d} \frac{13R0}{e}$$

a: Size

b: V is to the vertical form, 'H' is to the horizontal form

c: Inductance Value [101:100uH; 102:1000uH; 103:10000uH]

d: Positive and negative tolerances [K:±10%; L:±15%; M:±20%]

e: Rated current [0R2:0.2A; 1R2; 1.2A; 10R2:12A]

### ELECTRICAL CHARACTERISTICS

Part Number	Inductance [uH] at 20°C	D.C. Resistance [Ω] Typ at 20°C	Rated current [A]	Inductance [uH] @Rated	Dimension A Nom	Dimension B Nom	Dimension C Nom
FA3216-V/H-100L20R8	10	0.004	20.8	5.5	15.0	30.7	1.60
FA3216-V/H-120L19R6	12	0.004	19.6	6.5	15.0	30.7	1.60
FA3216-V/H-150L18R6	15	0.056	18.6	8.3	15.0	30.7	1.60
FA3216-V/H-180L18R5	18	0.005	18.5	9.2	15.0	30.7	1.60
FA3216-V/H-220L17R7	22	0.006	17.7	10.4	15.0	30.7	1.60
FA3216-V/H-270L17R0	27	0.006	17.0	12.6	15.0	30.7	1.60
FA3216-V/H-330L13R0	33	0.009	13.0	17.6	14.2	30.0	1.40
FA3216-V/H-390L12R2	39	0.010	12.2	21.0	14.2	30.0	1.40
FA3216-V/H-470L11R8	47	0.011	11.8	24.2	14.2	30.0	1.40
FA3216-V/H-560L8R9	56	0.020	8.9	32.6	13.7	29.5	1.10
FA3216-V/H-680L8R5	68	0.023	8.5	37.4	13.7	29.5	1.10
FA3216-V/H-820L8R1	82	0.025	8.1	44.4	13.7	29.5	1.10
FA3216-V/H-101L7R8	100	0.027	7.8	51.7	13.7	29.5	1.10
FA3216-V/H-121L7R4	120	0.030	7.4	60.0	13.7	29.5	1.10
FA3216-V/H-151L7R0	150	0.033	7.0	71.4	13.7	29.5	1.10
FA3216-V/H-181L6R7	180	0.037	6.7	83.3	13.7	29.5	1.10
FA3216-V/H-221L5R1	220	0.06	5.1	116	13.2	29.0	0.90
FA3216-V/H-271L4R8	270	0.07	4.8	138	13.2	29.0	0.90
FA3216-V/H-331L4R6	330	0.08	4.6	162	13.2	29.0	0.90
FA3216-V/H-391L4R4	390	0.085	4.4	189	13.2	29.0	0.90
FA3216-V/H-471L4R2	470	0.09	4.2	215	13.2	29.0	0.90
FA3216-V/H-561L4R0	560	0.10	4.0	251	13.2	29.0	0.90
FA3216-V/H-681L3R8	680	0.12	3.8	294	13.2	29.0	0.80
FA3216-V/H-821L3R6	820	0.13	3.6	343	13.2	29.0	0.80
FA3216-V/H-102L3R5	1000	0.15	3.5	396	13.2	29.0	0.80

### TECHNICAL INFORMATION

