

VANGUARD ELECTRONICS

Power Inductors

Package A2: 100 to 1,460 mA, 15 to 3,000 uH, .069 to 13.0 DCR Ohms max

Similar to M27/356

ELECTRICAL SPECIFICATIONS

VE Part Number	Inductance uH ±10%	DC Resistance Ohms Max.	Rated D.C. mA
62201	15	0.069	1460
62202	18	0.073	1380
62203	20	0.078	1300
62204	22	0.081	1240
62205	25	0.100	1180
62206	27	0.114	1130
62207	30	0.120	1050
62208	33	0.130	1000
62209	39	0.177	920
62210	47	0.196	830
62211	50	0.200	800
62212	56	0.209	780
62213	68	0.263	710
62214	75	0.285	670
62215	82	0.315	640
62216	100	0.443	580
62217	120	0.484	530
62218	150	0.694	470
62219	180	1.760	430
62220	200	1.800	410

VE Part Number	Inductance uH ±10%	DC Resistance Ohms Max.	Rated D.C. mA
62221	220	0.84	390
62222	250	1.00	370
62223	270	1.18	350
62224	300	1.22	330
62225	330	1.29	320
62226	350	1.50	300
62227	390	1.76	290
62228	470	1.94	260
62229	500	2.00	250
62230	560	2.12	240
62231	680	2.88	220
62232	750	3.00	210
62233	820	3.16	200
62234	1000	4.42	180
62235	1200	4.84	160
62236	1500	7.10	140
62237	1800	7.77	120
62238	2000	8.00	115
62239	2200	8.58	112
62240	2700	12.11	110
62241	3000	13.00	100

FEATURES

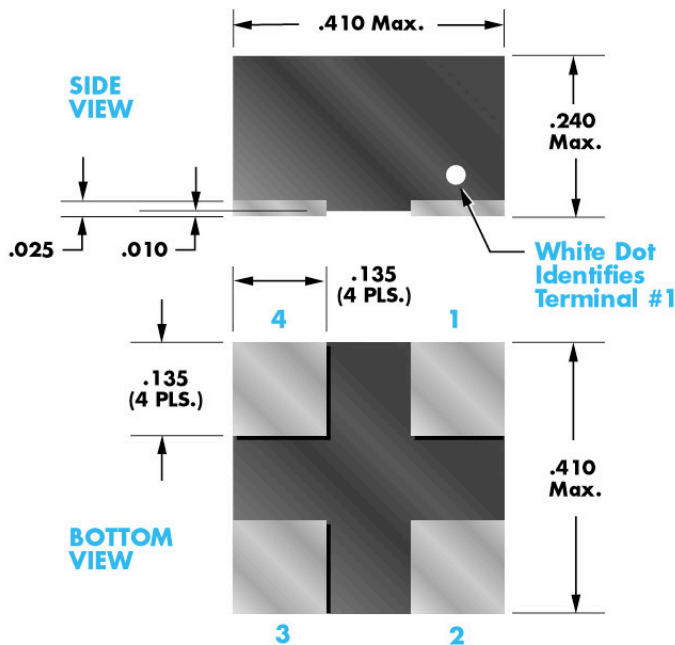
- Compact, low profile package, ideal for automatic placement
- Leadless Device for minimum footprint
- Low Thermal Expansion permits mounting on most substrate materials
- Different values and tighter tolerances available on special order
- Welded Internal Connections, Transfer Molded Package
- Toroidal Construction produces shielding and low external magnetic field

CHARACTERISTICS

- **Operating Temperature Range:** -55 °C to +125 °C
- **Temperature Rise (@ 90 °C):** < 30 °C
- **Inductance drop at rated DC:** <30%
- **Mounting and TCE:** Call Factory for Application Note
- **Dielectric Withstanding Voltage:** 500 Vac
- **Delta L:** ± 2% over operating temperature range
- **Terminations:** Tin-Lead Coated Phosphor Bronze
- **Altitude:** 70,000 feet or more (1.31 inHg or less)
- **Resistance to Soldering Heat:** 265 °C for 10 secs
- **Moisture, Shock and Immersion Resistant**
- **Overload Current:** 1.5 times rated current

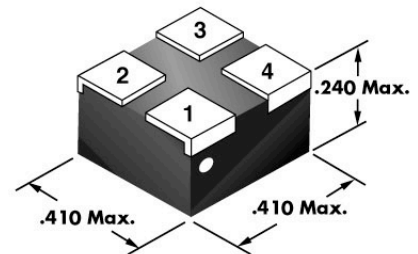
APPLICATIONS

- Filter inductors
- Ripple suppressors

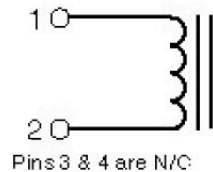


IN	MM
0.535	13.59
0.410	10.41
0.310	7.87
0.260	6.60
0.230	5.84
0.200	5.08
0.135	3.43
0.085	2.16
0.025	0.64
0.010	0.26

CONVERSION



TYPICAL USER CONNECTIONS



Actual Size (Side)

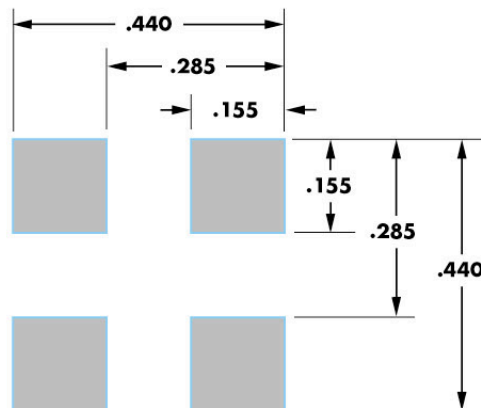


Actual Size (Top)



RECOMMENDED MOUNTING PAD

CIRCUIT SIDE



62,000 SERIES
PACKAGE A2



VANGUARD ELECTRONICS
(714) 842-3330