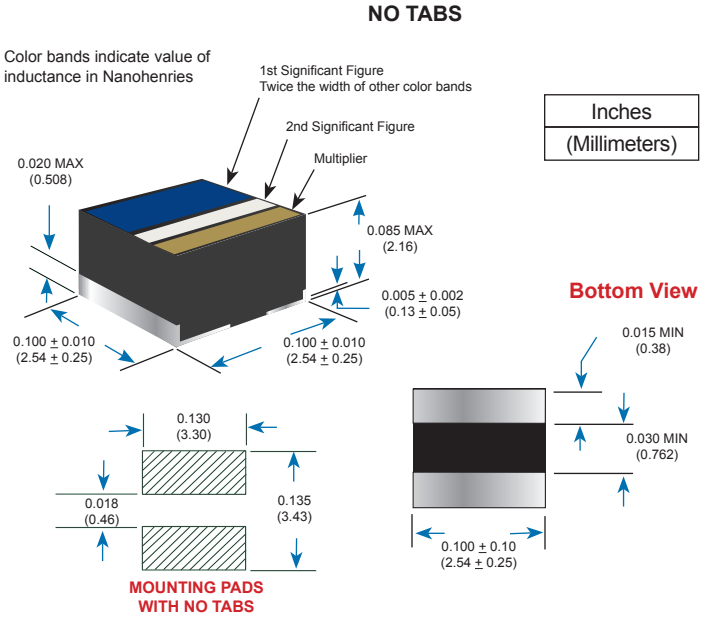
VANGUARD ELECTRONICS

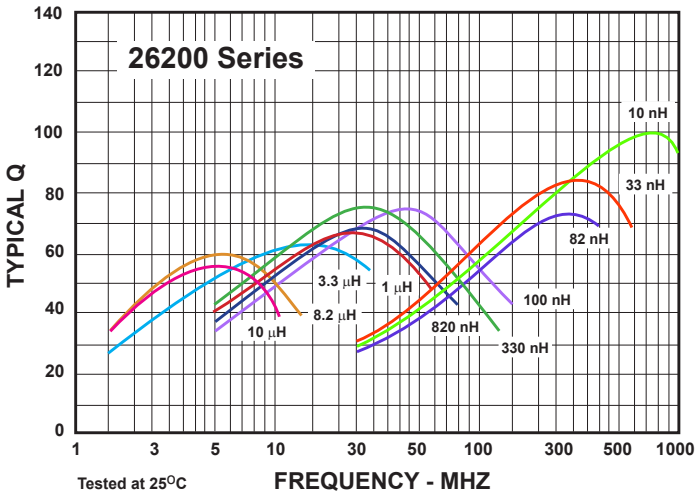
17941 Brookshire Lane Huntington Beach, CA 92647 Ph: 714-842-3330

Chip Inductors

M83446/4 - 26200 Series

QPL/QML: MIL-PRF-83446





ELECTRICAL SPECIFICATIONS

- **Inductance Range:** .010 µH to 27 µH
- **Inductance Tolerance:** Standard is ±10%, tighter tolerance available upon request, *± 20% for part numbers 26230 to 26236
- **Operating Temperature:** -55°C to +125°C
- **Resistance to Solder Heat:** 260°C for 10 seconds
- **Storage Temperature:** -55°C to 125°C
- **Temperature Rise:** 30°C Max at 90°C Ambient
- **Temperature Coefficient of Inductance**
  - P/N 26201 thru 26229: +80 PPM/°C Max.
  - P/N 26230 thru 26249: +200 PPM/°C Max.

FEATURES

- **Transfer Molded Package**
- **Internal welded terminations**
- **Phosphor bronze with tin-lead coating**
- **Optional Termination On Request:**
  Gold plated terminations (add suffix “G”)
  RoHS compliant terminations (add prefix “R”)
- **Tape and Reel packaging for automatic handling**
- **Recommended Mounting Technique**
  - Reflow or Vapor Phase Soldering
  - Conductive Epoxy
  - Wire bonding (gold lead only)

Additional Application Grades Available:

Space Grade (MIL-STD-981)
High Temperature Grade (+200°C)
Commercial Grade or Equivalent

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WITHOUT TAB TERMINATIONS

VANGUARD P/N	M83446/4	INDUCTANCE uH	Q MIN.	FREQ. MHZ	SRF MIN. MHZ	DCR MAX. OHMS	MAX. DC CURRENT (mA)
26201	/04-01	0.12	30	25	750	.125	880
26202	/04-02	0.15	25	25	650	.175	745
26203	/04-03	0.18	25	25	550	.200	695
26204	/04-04	0.22	25	25	450	.220	665
26205	/04-05	0.27	25	25	375	.230	650
26206	/04-06	0.33	25	25	300	.235	645
26207	/04-07	0.39	22	25	235	.240	635
26208	/04-08	0.47	22	25	215	.260	610
26209	/04-09	0.56	22	25	195	.278	590
26210	/04-10	0.68	22	25	175	.520	435
26211	/04-11	0.82	22	25	160	.530	430
26212	/04-12	1.00	22	25	145	.540	425
26213	/04-13	1.20	22	7.9	130	.740	360
26214	/04-14	1.50	22	7.9	115	.840	340
26215	/04-15	1.80	22	7.9	105	.920	325
26216	/04-16	2.20	22	7.9	85	1.00	310
26217	/04-17	2.70	24	7.9	77	1.15	290
26218	/04-18	3.30	24	7.9	70	1.40	260
26219	/04-19	3.90	24	7.9	68	1.55	250
26220	/04-20	4.70	24	7.9	60	1.80	230
26221	/04-21	5.60	22	7.9	55	2.00	220
26222	/04-22	6.80	22	7.9	50	2.20	210
26223	/04-23	8.20	22	7.9	48	2.50	195
26224	/04-24	10.00	24	7.9	40	3.45	165
26225	/04-25	12.00	25	2.5	35	3.80	160
26226	/04-26	15.00	25	2.5	30	5.60	135
26227	/04-27	18.00	25	2.5	28	5.80	130
26228	/04-28	22.00	25	2.5	25	6.40	125
26229	/04-29	27.00	25	2.5	22	6.90	120
26230	/04-30	*.010	60	50	2700	.060	1270
26231	/04-31	*.015	55	50	2200	.078	1110
26232	/04-32	*.022	50	50	1800	.108	950
26233	/04-33	*.033	48	50	1450	.120	900
26234	/04-34	*.047	42	50	1220	.145	820
26235	/04-35	*.068	36	50	1000	.195	705
26236	/04-36	*.100	32	50	830	.230	650
26237	/04-37	.010	60	50	2700	.060	1270
26238	/04-38	.012	57	50	2450	.069	1190
26239	/04-39	.015	55	50	2200	.078	1110
26240	/04-40	.018	52	50	2000	.093	1030
26241	/04-41	.022	50	50	1800	.108	950
26242	/04-42	.027	49	50	1625	.114	925
26243	/04-43	.033	48	50	1450	.120	900
26244	/04-44	.039	45	50	1335	.133	860
26245	/04-45	.047	42	50	1220	.145	820
26246	/04-46	.056	39	50	1110	.170	760
26247	/04-47	.068	36	50	1000	.195	705
26248	/04-48	.082	34	50	915	.212	675
26249	/04-49	.100	32	50	830	.230	650

* Inductance tolerance is 20% for part numbers 26230 to 26236

Test Fixtures and Equipment:

To assure accurate measurement of Inductance and Q, use test fixtures and equipment specficed in Technical Information on VE1.com