



26000 SERIES

QPL: M83446/05

ESA 3201/008 COMPLIANT EQUIVALENT



ELECTRICAL SPECIFICATIONS

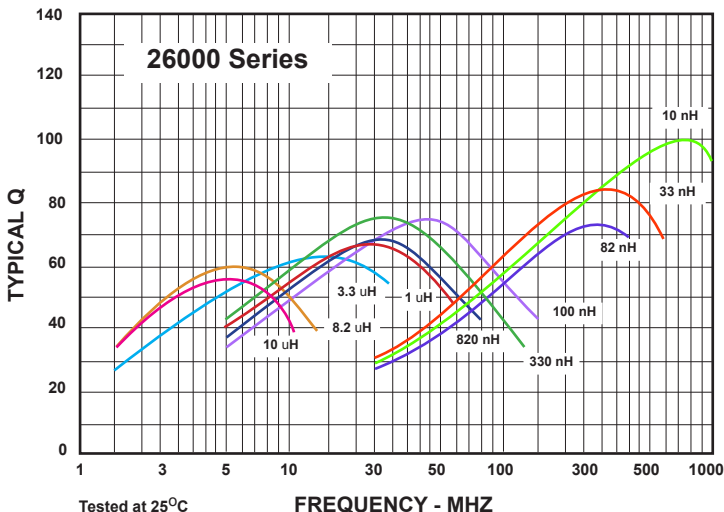
- **Inductance Range:** 0.010 uH to 10 uH
- **Inductance Tolerance:** Standard is $\pm 10\%$, tighter tolerance available upon request
- **Resistance to Solder Heat:** 260°C for 10 seconds
- **Operating Temperature:** -55°C to +125°C
- **Storage Temperature:** -55°C to 125°C
- **Temperature Rise:** 30°C Max at 90°C Ambient
- **Temperature Coefficient of Inductance**
 - P/N 26000 thru 26011: +125 PPM/oC Max.
 - P/N 26012 thru 26036: +80 PPM/oC Max.

FEATURES

- **Transfer Molded Package**
- **Internal Welded Terminations**
- **Terminations:** Tin-lead over phosphor bronze
- **Optional Terminations on Request:**
Gold plated terminations
- **Tape and Reel Packaging Available**
- **Recommended Mounting Technique**
 - Reflow or Vapor Phase Soldering
 - Conductive Epoxy
 - Wire bonding (gold lead only)

APPLICATIONS

- **Additional Application Grades Available:**
 - Space Grade (MIL-STD-981)
 - High Temperature Grade (+200°C)
 - Commercial Grade or Equivalent
 - In Accordance with ESA 3201/008

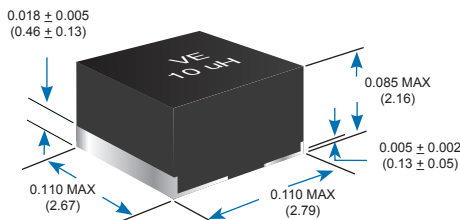


NEW: T LEVEL QUALIFIED

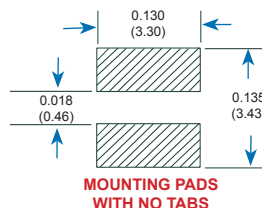
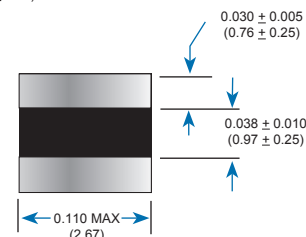
MIL-PRF-83446

Inductance Range (uH)	Typical Q	Current Rating (mA)
0.010 to 10	50 to 60	87 to 750

NO TABS

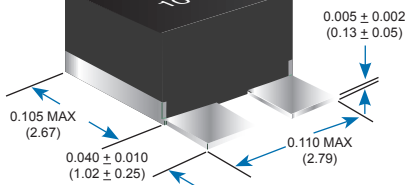
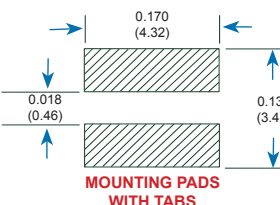
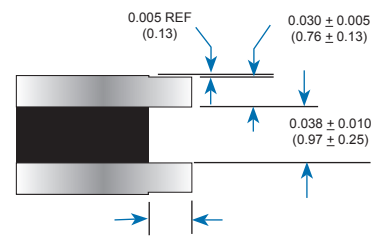
Inches
(Millimeters)

MARKINGS: LASER OR INK

MOUNTING PADS
WITH NO TABS

BOTTOM VIEW

WITH TABS

Inches
(Millimeters)MOUNTING PADS
WITH TABS

BOTTOM VIEW

26000 SERIES





DATA TABLE

WITH TAB TERMINATIONS		WITHOUT TAB TERMINATIONS		Inductance (uH)	Q (Min)	Q (Typ)	Test Freq (MHz)	SRF Min (MHz)	DCR Max (Ohms)	Current Max (mA)
M83446/05 Dash No.	VE P/N	M83446/05 Dash No.	VE P/N							
-01	26000	-38	26000 NT	0.010	50	55	150	2000	0.025	750
-02	26001	-39	26001 NT	0.012	50	55	150	2000	0.025	750
-03	26002	-40	26002 NT	0.015	50	55	150	1800	0.040	750
-04	26003	-41	26003 NT	0.018	50	55	150	1500	0.040	750
-05	26004	-42	26004 NT	0.022	45	50	100	1400	0.040	750
-06	26005	-43	26005 NT	0.027	45	50	100	1200	0.040	750
-07	26006	-44	26006 NT	0.033	47	55	100	1200	0.050	640
-08	26007	-45	26007 NT	0.039	47	55	100	1200	0.070	600
-09	26008	-46	26008 NT	0.047	47	55	100	1000	0.080	550
-10	26009	-47	26009 NT	0.056	47	55	100	900	0.090	520
-11	26010	-48	26010 NT	0.068	47	55	100	900	0.100	480
-12	26011	-49	26011 NT	0.082	47	55	100	750	0.110	470
-13	26012	-50	26012 NT	0.10	47	55	50	700	0.110	470
-14	26013	-51	26013 NT	0.12	47	55	50	600	0.110	470
-15	26014	-52	26014 NT	0.15	47	55	50	500	0.120	450
-16	26015	-53	26015 NT	0.18	51	60	50	450	0.140	430
-17	26016	-54	26016 NT	0.22	51	60	50	420	0.20	350
-18	26017	-55	26017 NT	0.27	51	60	50	400	0.25	310
-19	26018	-56	26018 NT	0.33	51	60	50	320	0.30	280
-20	26019	-57	26019 NT	0.39	47	55	50	270	0.45	240
-21	26020	-58	26020 NT	0.47	47	55	25	250	0.50	230
-22	26021	-59	26021 NT	0.56	52	60	25	200	0.55	220
-23	26022	-60	26022 NT	0.68	52	60	25	180	0.58	210
-24	26023	-61	26023 NT	0.82	52	60	25	150	0.60	200
-25	26024	-62	26024 NT	1.0	52	60	25	120	0.65	190
-26	26025	-63	26025 NT	1.2	42	50	7.9	110	0.75	180
-27	26026	-64	26026 NT	1.5	42	50	7.9	100	1.1	160
-28	26027	-65	26027 NT	1.8	48	55	7.9	95	1.2	150
-29	26028	-66	26028 NT	2.2	48	55	7.9	90	1.3	140
-30	26029	-67	26029 NT	2.7	48	55	7.9	65	1.5	130
-31	26030	-68	26030 NT	3.3	48	55	7.9	55	1.8	120
-32	26031	-69	26031 NT	3.9	48	55	7.9	45	2.0	110
-33	26032	-70	26032 NT	4.7	48	55	7.9	43	2.3	100
-34	26033	-71	26033 NT	5.6	48	55	7.9	40	2.5	100
-35	26034	-72	26034 NT	6.8	46	53	7.9	38	2.6	98
-36	26035	-73	26035 NT	8.2	46	53	7.9	35	2.8	95
-37	26036	-74	26036 NT	10.0	46	53	7.9	33	3.3	87

CUSTOM DESIGNS & MODIFICATIONS:

Other electrical configurations and performance characteristics are available in various sizes and package types

26000 SERIES





VE PART NUMBER STRUCTURE KEY

EXAMPLE: X26001-NT-F-K

PREFIX

T	T Level
NONE	Standard M Level (QPL)

TABS

T	With Tabs
NT	Without Tabs

TERMINATION

F	Tin Lead (Standard)
G	Gold

TOLERANCE

M	20%
K	10%
J	5%
*H	3%
*G	2%
*F	1%

* Consult Factory

M83446 PART NUMBER STRUCTURE KEY

M83446/XX-AAYZ

XX = SLASH SHEET

AA = DASH NUMBER

Y = TERMINATION (F=TIN/LEAD, A=GOLD)

Z = TOLERANCE

M=20%, K=10%, J=5%, G=2%, F=1% (Consult factory on G & F availability)