



# WW 10 10 SERIES

QPL: M83446/13



MIL-PRF-83446

## ELECTRICAL SPECIFICATIONS

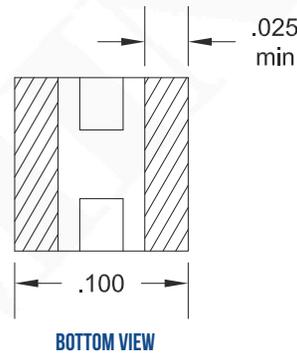
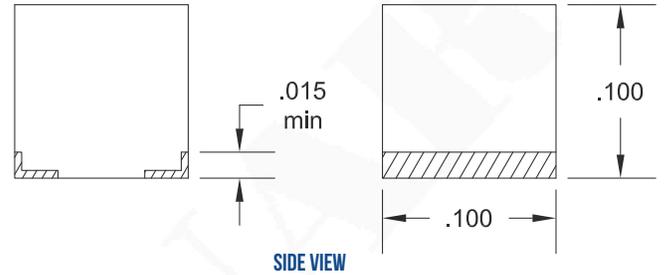
- **Operating Temperature:** -55°C to +125°C
- **Storage Temperature:** -55°C to +125°C
- **Temperature Rise @ 90°C:** < 35°C
- **Dielectric Withstanding Voltage:** 700 V<sub>RMS</sub>
- **Different electrical values available upon request**

## FEATURES

- **Compact**, low profile, ideal for automatic placement
- Built to meet **MIL-PRF-27** specifications
- **Terminations:** Tin or Tin-lead
- **Welded Internal Connections**
- **Self Shielding**
- **Other termination finishes available**
- **Order** to Mil-spec part number or VE part number

Inductance Range (uH)	Typical Q	Current Rating (mA)
0.010 to 1000	15 to 60	10 to 750

ALL DIMENSIONS: INCHES



### CUSTOM DESIGNS & MODIFICATIONS:

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





DATA TABLE

M83446/13 Dash No	Vanguard P/N	Inductance ±10% (uH)	Q min	Test Freq (MHz)	SRF min (MHz)	DCR max (Ohms)	Idc max (mA)
-01	WW1010-100**-*	0.010	45	200	1200	0.020	750
-02	WW1010-120**-*	0.012	45	200	1200	0.025	750
-03	WW1010-150**-*	0.015	45	200	1200	0.035	750
-04	WW1010-180**-*	0.018	45	200	1200	0.040	750
-05	WW1010-220**-*	0.022	45	200	1000	0.045	750
-06	WW1010-270**-*	0.027	45	200	1000	0.050	750
-07	WW1010-330**-*	0.033	45	200	1000	0.055	640
-08	WW1010-390**-*	0.039	45	200	1000	0.060	600
-09	WW1010-470**-*	0.047	45	100	1000	0.065	550
-10	WW1010-560**-*	0.056	45	100	100	0.060	520
-11	WW1010-680**-*	0.068	40	100	800	0.060	480
-12	WW1010-820**-*	0.082	35	100	800	0.080	470
-13	WW1010-101**-*	0.100	35	25.0	750	0.160	460
-14	WW1010-121**-*	0.120	35	25.0	700	0.170	455
-15	WW1010-151**-*	0.150	35	25.0	650	0.190	450
-16	WW1010-181**-*	0.180	35	25.0	600	0.200	430
-17	WW1010-221**-*	0.220	35	25.0	550	0.300	350
-18	WW1010-271**-*	0.270	35	25.0	480	0.350	310
-19	WW1010-331**-*	0.330	35	25.0	400	0.720	280
-20	WW1010-391**-*	0.390	35	25.0	380	0.80	250
-21	WW1010-471**-*	0.470	35	25.0	350	1.26	230
-22	WW1010-561**-*	0.560	35	25.0	330	1.30	220
-23	WW1010-681**-*	0.680	35	25.0	300	1.40	210
-24	WW1010-821**-*	0.820	35	25.0	250	1.50	200
-25	WW1010-102**-*	1.0	35	25.0	220	1.60	200
-26	WW1010-122**-*	1.2	32	7.90	200	1.70	200
-27	WW1010-152**-*	1.5	32	7.90	175	2.00	190
-28	WW1010-182**-*	1.8	32	7.90	150	2.00	185
-29	WW1010-222**-*	2.2	32	7.90	95	2.0	180
-30	WW1010-272**-*	2.7	30	7.90	85	2.00	175
-31	WW1010-332**-*	3.3	30	7.90	70	2.00	170
-32	WW1010-392**-*	3.9	30	7.90	60	2.10	165
-33	WW1010-472**-*	4.7	30	7.90	50	2.30	165
-34	WW1010-562**-*	5.6	30	7.90	40	2.50	165
-35	WW1010-682**-*	6.8	30	7.90	30	2.50	165
-36	WW1010-822**-*	8.2	27	7.90	22	2.50	120
-37	WW1010-103**-*	10	35	7.90	20	2.90	105
-38	WW1010-123**-*	12	35	2.50	15	3.00	91
-39	WW1010-153**-*	15	35	2.50	13	3.00	87
-40	WW1010-183**-*	18	35	2.50	12	3.20	81

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## WW1010 SERIES





## DATA TABLE

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-41	WW1010-223**-*	22	35	2.50	10	4.00	77
-42	WW1010-273**-*	27	35	2.50	9.0	4.00	73
-43	WW1010-333**-*	33	35	2.50	9.0	4.50	69
-44	WW1010-393**-*	39	35	2.50	6.5	5.00	65
-45	WW1010-473**-*	47	35	2.50	6.2	5.70	63
-46	WW1010-563**-*	56	35	2.50	6.0	6.00	60
-47	WW1010-683**-*	68	35	2.50	5.8	6.70	57
-48	WW1010-823**-*	82	30	2.50	5.2	7.50	55
-49	WW1010-104**-*	100	30	2.50	4.0	13.0	50
-50	WW1010-124**-*	120	28	0.790	4.0	14.0	40
-51	WW1010-154**-*	150	28	0.790	3.9	18.0	36
-52	WW1010-184**-*	180	28	0.790	3.5	20.0	33
-53	WW1010-224**-*	220	28	0.790	3.2	21.0	28
-54	WW1010-274**-*	270	20	0.790	3.1	25.0	25
-55	WW1010-334**-*	330	20	0.790	2.8	37.0	20
-56	WW1010-394**-*	390	20	0.790	2.5	39.0	17
-57	WW1010-474**-*	470	20	0.790	2.3	45.0	15
-58	WW1010-564**-*	560	20	0.790	2.2	57.0	13
-59	WW1010-684**-*	680	20	0.790	2.1	62.0	12
-60	WW1010-824**-*	820	18	0.790	2.1	78.0	11
-61	WW1010-105**-*	1000	10	0.790	1.1	96.0	10

### VE PART NUMBER STRUCTURE KEY

EXAMPLE: WW1010-100MS-3-T

#### INDUCTANCE (uH)

The first two digits are significant. The last digit specifies zeroes to follow:

100 = 0.010 uH

#### TOLERANCE (%)

J	± 5
K	± 10
M	± 20
P	± 25

#### TERMINATION

S	SnPb
G	Gold
R	Pure Tin

#### RELIABILITY

1	COTS/EM
2	Group A
3	Group A+B
4	Group A+B+C
7	Other

#### PACKAGING (Default Bulk)

B	Bulk
T	Tape and Reel

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