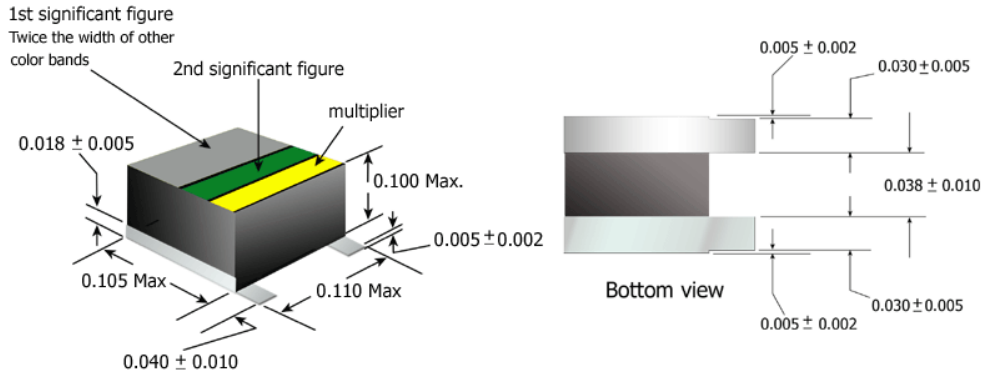


6000 Series

Fixed Chip Inductor

MIL-PRF-83446/6

QPL Approved



Tape & Reel (additional charge)	
Type	Reel (Qty)
Tabs	1,800
No Tabs	2,000

FEATURES

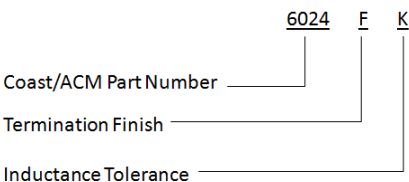
- Leadless device for minimum footprint
- Low EMI Radiation
- Low Thermal Expansion permits mounting on most substrate materials

SPECIFICATIONS

- Weight: 0.5 gram, maximum
- Operating temperature range: -55°C to 125°C
- Temperature rise (at 90°C): 35°C
- Altitude: 70,000 feet
- Dielectric withstanding voltage: Method 301 of MIL-STD-202, test voltage 500 Vrms
- Barometric Pressure: Method 105, test condition C, MIL-STD-202 (70,000 feet), test voltage 200 Vrms
- Space Application: Available to MIL-STD-981

With Tabs		Without Tabs		Inductance ±10% (µH)	Q Min	Q Typ	Test Freq (MHz)	SRF Min (MHz)	DCR Max (Ω)	Current Max (mA)
Dash Number	C/ACM P/N	Dash Number	C/ACM P/N							
M83446/06-01	6001	M83446/06-25	6025	12.0	42	50	2.50	26.0	2.0	110
M83446/06-02	6002	M83446/06-26	6026	15.0	44	52	2.50	24.0	2.2	105
M83446/06-03	6003	M83446/06-27	6027	18.0	44	52	2.50	21.0	2.8	100
M83446/06-04	6004	M83446/06-28	6028	22.0	48	55	2.50	20.0	3.5	85
M83446/06-05	6005	M83446/06-29	6029	27.0	49	57	2.50	19.0	4.3	75
M83446/06-06	6006	M83446/06-30	6030	33.0	50	58	2.50	14.0	5.5	68
M83446/06-07	6007	M83446/06-31	6031	39.0	52	60	2.50	12.0	6.5	61
M83446/06-08	6008	M83446/06-32	6032	47.0	53	62	2.50	11.0	8.5	54
M83446/06-09	6009	M83446/06-33	6033	56.0	56	64	2.50	10.0	12.0	46
M83446/06-10	6010	M83446/06-34	6034	68.0	53	62	2.50	9.0	13.0	42
M83446/06-11	6011	M83446/06-35	6035	82.0	49	57	2.50	8.0	15.0	40
M83446/06-12	6012	M83446/06-36	6036	100.0	49	57	2.50	7.0	18.0	36
M83446/06-13	6013	M83446/06-37	6037	120.0	37	45	0.79	6.0	21.0	34
M83446/06-14	6014	M83446/06-38	6038	150.0	30	38	0.79	5.0	26.0	31
M83446/06-15	6015	M83446/06-39	6039	180.0	30	38	0.79	5.0	28.0	29
M83446/06-16	6016	M83446/06-40	6040	220.0	26	32	0.79	4.5	32.0	28
M83446/06-17	6017	M83446/06-41	6041	270.0	26	32	0.79	4.0	36.0	26
M83446/06-18	6018	M83446/06-42	6042	330.0	24	30	0.79	3.7	42.0	24
M83446/06-19	6019	M83446/06-43	6043	390.0	24	30	0.79	3.5	46.0	23
M83446/06-20	6020	M83446/06-44	6044	470.0	24	30	0.79	3.0	68.0	19
M83446/06-21	6021	M83446/06-45	6045	560.0	22	28	0.79	2.8	77.0	18
M83446/06-22	6022	M83446/06-46	6046	680.0	20	26	0.79	2.5	85.0	17
M83446/06-23	6023	M83446/06-47	6047	820.0	16	22	0.79	2.0	100.0	16
M83446/06-24	6024	M83446/06-48	6048	1000.0	12	18	0.79	1.5	120.0	15

Part or Identifying Number (PIN):



F: Termination Finish
A: Gold F: Tin-lead

K: Inductance Tolerance
M: ±20% K: ±10% J: ±5%
H: ±3% G: ±2% I: ±1%



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