



## MLRF17S

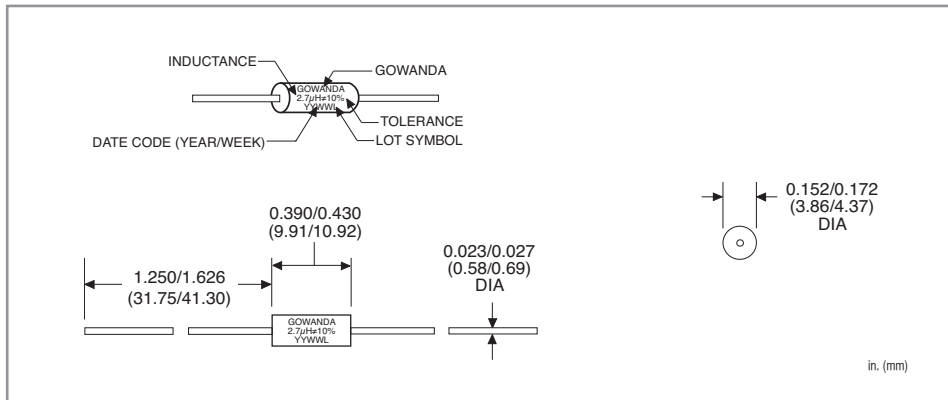
Wirewound, Shielded, Molded, MIL-PRF-15305

MS75087 Phenolic Core, MS75088 Powdered Iron Core, MS75089 Ferrite Core

PART NUMBER	MIL PART NUMBER	L μH	Q MIN	TEST FREQ L&Q MHZ	SRF MHZ MIN	DCR OHMS MAX	CURRENT RATING mA DC
MS75087 PHENOLIC CORE / POWDERED IRON SLEEVE							
MLRF17S100K	MS75087-1	0.10	50	25	250	0.025	1790
MLRF17S120K	MS75087-2	0.12	51	25	250	0.034	1530
MLRF17S150K	MS75087-3	0.15	51	25	250	0.037	1470
MLRF17S180K	MS75087-4	0.18	50	25	250	0.047	1300
MLRF17S220K	MS75087-5	0.22	49	25	250	0.067	1100
MLRF17S270K	MS75087-6	0.27	47	25	250	0.110	855
MLRF17S330K	MS75087-7	0.33	46	25	250	0.130	780
MLRF17S390K	MS75087-8	0.39	44	25	250	0.180	670
MLRF17S470K	MS75087-9	0.47	44	25	235	0.250	565
MLRF17S560K	MS75087-10	0.56	43	25	210	0.330	490
MLRF17S680K	MS75087-11	0.68	42	25	190	0.450	420
MLRF17S820K	MS75087-12	0.82	40	25	180	0.590	370
MS75088 POWDERED IRON CORE / POWDERED IRON SLEEVE							
MLRF17S101K	MS75088-1	1.0	44	25	140	0.070	1070
MLRF17S121K	MS75088-2	1.2	44	7.9	130	0.100	895
MLRF17S151K	MS75088-3	1.5	44	7.9	115	0.120	815
MLRF17S181K	MS75088-4	1.8	44	7.9	105	0.140	775
MLRF17S221K	MS75088-5	2.2	44	7.9	100	0.190	650
MLRF17S271K	MS75088-6	2.7	44	7.9	92	0.280	535
MLRF17S331K	MS75088-7	3.3	44	7.9	85	0.350	480
MLRF17S391K	MS75088-8	3.9	44	7.9	75	0.400	450
MLRF17S471K	MS75088-9	4.7	44	7.9	70	0.550	380
MLRF17S561K	MS75088-10	5.6	44	7.9	65	0.720	335
MLRF17S681K	MS75088-11	6.8	50	7.9	55	1.02	280
MLRF17S821K	MS75088-12	8.2	50	7.9	50	1.32	250
MLRF17S102K	MS75088-13	10.0	50	7.9	46	1.62	220
MLRF17S122K	MS75088-14	12.0	55	2.5	44	2.00	200

Suffix "K" for 10% tolerance

continued next page



### NOTES:

- Operating Temperature Range: -55°C to +105°C
- Temperature Class: Class A (105°C)
- Current Rating is based on a 15°C temperature rise from an ambient temperature of 90°C
- Weight maximum:
  - 0.85 grams (0.03 ounces) for MS75087 (Phenolic)
  - 1.00 grams (0.0353 ounces) for MS75088 & MS75089 (Powdered Iron & Ferrite)
- DWV: 1000 Vrms @ Sea Level  
200 Vrms @ 70,000 Feet
- Magnetic Shielding: 3% Max. Coupling
- Body color is black

### TAPE AND REEL SPECS:

Pcs./Reel maximum:	2500
Pitch between parts:	0.200 in.
Tape width:	2.062 in.
Reel diameter:	12 in.

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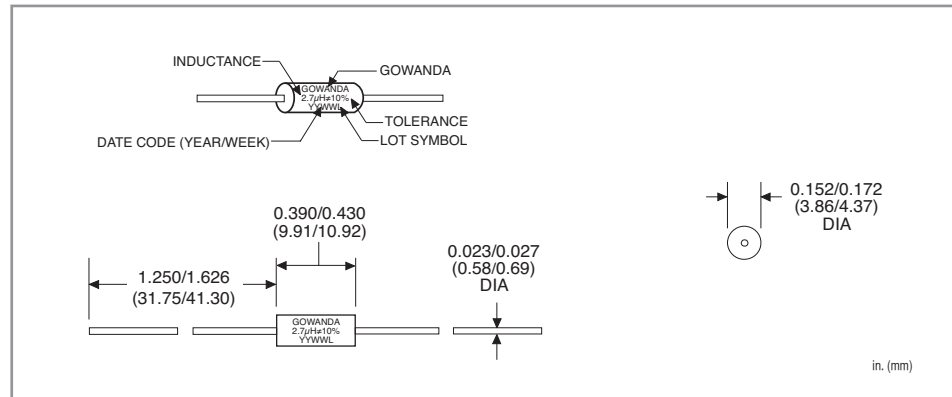
Wirewound, Shielded, Molded, MIL-PRF-15305

MS75087 Phenolic Core, MS75088 Powdered Iron Core, MS75089 Ferrite Core



PART NUMBER	MIL PART NUMBER	L μH	Q MIN	TEST FREQ L&Q MHZ	SRF MHZ MIN	DCR OHMS MAX	CURRENT RATING mA DC	INCREMENTAL CURRENT mA DC
		MS75089 FERRITE CORE / FERRITE SLEEVE						
MLRF17S152K	MS75089-01	15	45	2.5	49	0.80	315	250
MLRF17S182K	MS75089-02	18	45	2.5	45	0.89	300	235
MLRF17S222K	MS75089-03	22	45	2.5	41	0.96	290	220
MLRF17S272K	MS75089-04	27	45	2.5	38	1.19	260	200
MLRF17S332K	MS75089-05	33	45	2.5	34	1.37	240	190
MLRF17S392K	MS75089-06	39	50	2.5	29	1.93	205	180
MLRF17S472K	MS75089-07	47	50	2.5	27	2.11	195	175
MLRF17S562K	MS75089-08	56	50	2.5	25	2.23	190	160
MLRF17S682K	MS75089-09	68	50	2.5	21	2.70	170	150
MLRF17S822K	MS75089-10	82	50	2.5	10.5	2.44	180	140
MLRF17S103K	MS75089-11	100	50	2.5	10.0	3.12	160	120
MLRF17S123K	MS75089-12	120	55	0.79	9.7	3.60	150	95
MLRF17S153K	MS75089-13	150	55	0.79	8.5	4.10	140	90
MLRF17S183K	MS75089-14	180	55	0.79	8.0	4.40	135	85
MLRF17S223K	MS75089-15	220	55	0.79	7.5	5.00	125	80
MLRF17S273K	MS75089-16	270	55	0.79	7.0	5.80	115	70
MLRF17S333K	MS75089-17	330	55	0.79	6.5	6.40	110	65
MLRF17S393K	MS75089-18	390	60	0.79	6.2	7.40	105	60
MLRF17S473K	MS75089-19	470	60	0.79	5.7	9.50	92	58
MLRF17S563K	MS75089-20	560	60	0.79	4.7	10.5	90	55
MLRF17S683K	MS75089-21	680	60	0.79	4.5	11.8	80	50
MLRF17S823K	MS75089-22	820	60	0.79	4.2	13.0	80	45
MLRF17S104K	MS75089-23	1000	60	0.79	3.8	17.5	70	40

Suffix "K" for 10% tolerance



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