



Surface Mount Molded Inductors

- *Compatible with vapor phase and infrared reflow soldering*
- *Molded construction provides superior strength and moisture resistance*
- **1210 Case Size**

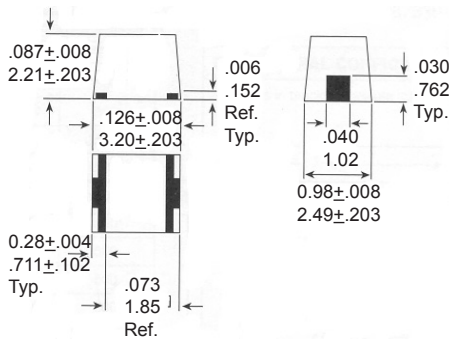
IMC Series Specifications



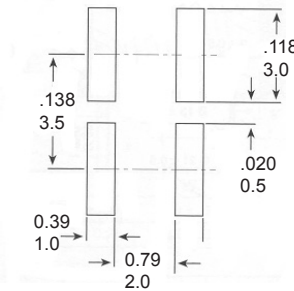
Part Number Determination

IMC1210ER100K				
IMC	1210	ER	100	K
SERIES	SIZE	PKG CODE	INDUCTANCE	TOLERANCE
Molded Inductor	1210 1812		12N=.012uH 100=10uH 121=120uH	K=±10% M=±20%

Package Dimensions (in/mm)



Land Pattern (in/mm)



(specifications continued on following page)

**Engineering Design Kits Available
See Garrett Kit Catalog**



DALE

Surface Mount Molded Inductors

IMC Series Specifications



Electrical Characteristics

Part Number	Case Size	IND (uH)	TOL.	Q MIN.	TEST FREQ L&Q (MHz)	SELF-RESONANT FREQ. MIN. (MHz)	DCR MAX (Ohms)	RATED DC CURRENT (mA)
IMC1210ER10NK	1210	.010	±20%	30	50.0	1000.0	.13	734
IMC1210ER12NK		.012					.14	707
IMC1210ER15NK		.015					.16	661
IMC1210ER18NK		.018					.18	624
IMC1210ER22NK		.022					.20	592
IMC1210ER27NK		.027					.22	564
IMC1210ER33NK		.033					.24	540
IMC1210ER39NK		.039					.27	530
IMC1210ER47NK		.047					.30	483
IMC1210ER56NK		.056					.33	470
IMC1210ER68NK		.068					.36	450
IMC1210ER82NK		.082					900.0	.40
IMC1210ERR10K		.100			700.0	.44	450	
IMC1210ERR12K		.12			500.0	.22	584	
IMC1210ERR15K		.15			450.0	.25	548	
IMC1210ERR18K		.18			400.0	.28	518	
IMC1210ERR22K		.22			350.0	.32	484	
IMC1210ERR27K		.27			320.0	.36	456	
IMC1210ERR33K		.33			300.0	.40	453	
IMC1210ERR39K		.39			250.0	.45	450	
IMC1210ERR47K		.47			220.0	.50	450	
IMC1210ERR56K		.56			180.0	.55	450	
IMC1210ERR68K		.68			160.0	.60	450	
IMC1210ERR82K		.82			140.0	.67	450	
IMC1210ER1R0K		1.0			120.0	.70	400	
IMC1210ER1R2K		1.2			100.0	.75	390	
IMC1210ER1R5K		1.5			85.0	.85	370	
IMC1210ER1R8K		1.8			80.0	.90	350	
IMC1210ER2R2K		2.2	75.0	1.0	320			
IMC1210ER2R7K		2.7	70.0	1.1	290			
IMC1210ER3R3K		3.3	60.0	1.2	260			
IMC1210ER3R9K		3.9	55.0	1.3	250			
IMC1210ER4R7K	4.7	50.0	1.5	224				
IMC1210ER5R6K	5.6	45.0	1.6	217				
IMC1210ER6R8K	6.8	40.0	1.8	204				
IMC1210ER8R2K	8.2	38.0	2.0	194				
IMC1210ER100K	10.0	33.0	2.1	189				
IMC1210ER120K	12.0	30.0	2.5	173				
IMC1210ER150K	15.0	21.0	2.8	164				
IMC1210ER180K	18.0	20.0	3.3	151				
IMC1210ER220K	22.0	19.0	3.7	145				
IMC1210ER270K	27.0	18.0	5.0	122				
IMC1210ER330K	33.0	16.0	6.0	112				
IMC1210ER390K	39.0	15.0	7.0	104				
IMC1210ER470K	47.0	14.0	9.0	91				
IMC1210ER560K	56.0	12.0	10.0	87				
IMC1210ER680K	68.0	11.0	11.0	83				
IMC1210ER820K	82.0	10.0	12.0	79				
IMC1210ER101K	100.0	9.0	14.0	73				
IMC1210ER121K	120.0	8.0	11.0	70				
IMC1210ER151K	150.0	6.5	15.0	65				
IMC1210ER181K	180.0	6.0	17.0	60				
IMC1210ER221K	220.0	6.0	21.0	50				