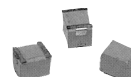




Surface Mount Molded Inductors

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

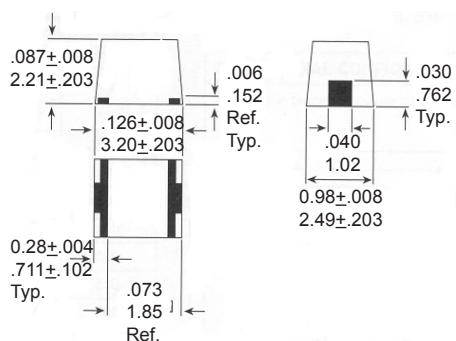
IMC Series Specifications



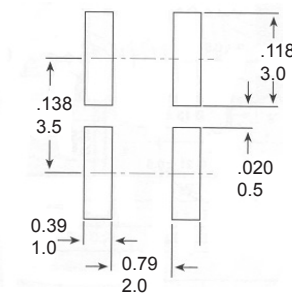
Part Number Determination

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	450
IMC1210ERR10K		.100				700.0	.44	450
IMC1210ERR12K		.12			25.2	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	±10%	20	.796	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			2.52	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		15	.796	9.0	14.0	73
IMC1210ER121K		120.0		15		8.0	11.0	70
IMC1210ER151K		150.0		15		6.5	15.0	65
IMC1210ER181K		180.0		15		6.0	17.0	60
IMC1210ER221K		220.0		15		6.0	21.0	50