

Leaded Magnetics Packaging Methods

TAPE AND REEL in inches [millimeters]											
Reel Pack											
MODEL	PREVIOUS CODE*	GLOBAL CODE LEAD BEARING	GLOBAL CODE LEAD (Pb)-FREE	REEL SIZE	CARRIER TAPE WIDTH (W)	COMPONENT PITCH (P)	UNITS/ REEL	PREVIOUS CODE*	GLOBAL CODE LEAD BEARING	GLOBAL CODE LEAD (Pb)-FREE	UNITS/ BULK
IM-1	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	4000	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.06 [52.39]	0.2 [5.08]	1000				
IM-2	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	4000	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.06 [52.39]	0.2 [5.08]	1000				
IM-4	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	2500	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.06 [52.39]	0.2 [5.08]	1000				
IM-6	R36	RU	ER	12	2.06 [52.39]	0.4 [10.16]	2000	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.4 [10.16]	400				
IM-8	RB5	RA	EZ	12	2.06 [52.39]	0.4 [10.16]	1000	B08	BH	EB	100
	RJ2	SJ	ET	7.5	2.06 [52.39]	0.4 [10.16]	400				
IM-9	RB5	RA	EZ	12	2.06 [52.39]	0.4 [10.16]	800	B08	BH	EB	80
	RJ2	SJ	ET	7.5	2.06 [52.39]	0.4 [10.16]	400				
	RJ5	SS	EW	12	2.06 [52.39]	0.4 [10.16]	1000				
IM-10	RB5	RA	EZ	12	2.06 [52.39]	0.4 [10.16]	800	B08	BH	EB	70
	RJ2	SJ	ET	7.5	2.06 [52.39]	0.4 [10.16]	400				
IM-6-38	RB5	RA	EZ	12	2.06 [52.39]	0.4 [10.16]	1000	B08	BH	EB	200
	RJ2	SJ	ET	7.5	2.06 [52.39]	0.4 [10.16]	400				
IM-6RFCS-40	R36	RU	ER	12	2.06 [52.39]	0.4 [10.16]	1000	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.4 [10.16]	400				
IM-10-22	RB5	RR	EZ	12	2.06 [52.39]	0.4 [10.16]	800	B08	BH	EB	100
IM-10-28	R07	NA	EY	12	2.88 [73.15]	0.4 [10.16]	250	B08	BH	EB	70
IM-10-31	-	-	-	-	-	-	-	B08	BH	EB	50
IM-10-37	RB5	RA	EZ	12	2.06 [52.39]	0.4 [10.16]	500	B08	BH	EB	40
IM-10-46	-	-	-	-	-	-	-	B08	BH	EB	25
IM-10RFCL-12	RB5	RA	EZ	12	2.19 [55.63]	0.4 [10.16]	250	B08	BH	EB	50
IMS-2WWD-40	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	4000	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.06 [52.39]	0.2 [5.08]	1000				
IMS-2SWWD-30	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	4000	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.06 [52.39]	0.2 [5.08]	1000				

Packaging Methods



Vishay Dale

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TAPE AND REEL in inches [millimeters]											
MODEL	PREVIOUS CODE*	GLOBAL CODE LEAD BEARING	GLOBAL CODE LEAD (Pb)-FREE	REEL SIZE	CARRIER TAPE WIDTH (W)	COMPONENT PITCH (P)	UNITS/ REEL	PREVIOUS CODE*	GLOBAL CODE LEAD BEARING	GLOBAL CODE LEAD (Pb)-FREE	UNITS/ BULK
IMS-2	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	4000	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.06 [52.39]	0.2 [5.08]	1000				
IMS-5	R36	RU	ER	12	2.50 [63.50]	0.2 [5.08]	2500	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.50 [63.50]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.50 [63.50]	0.2 [5.08]	1000				
IMS-5WD-40	R36	RU	ER	12	2.50 [63.50]	0.2 [5.08]	2500	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.50 [63.50]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.50 [63.50]	0.2 [5.08]	1000				
IMS-5SWD-65	R36	RU	ER	12	2.50 [63.50]	0.2 [5.08]	2500	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.50 [63.50]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.50 [63.50]	0.2 [5.08]	1000				
IR-2	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	4000	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.2 [5.08]	400				
	RJ4	ST	EV	12	2.06 [52.39]	0.2 [5.08]	1000				
IR-4	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	2500	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.06 [52.39]	0.2 [5.08]	1000				
IRF-1	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	4000	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.06 [52.39]	0.2 [5.08]	1000				
IRF-3	R36	RU	ER	12	2.06 [52.39]	0.2 [5.08]	2500	B08	BH	EB	200
	RJ1	SH	ES	7.5	2.06 [52.39]	0.2 [5.08]	400				
	RJ4	ST	EV	7.5	2.06 [52.39]	0.2 [5.08]	1000				
IRF-24	-	-	ER	12	2.06 [52.39]	0.2 [5.08]	5000	-	-	-	-
IRF-36	-	-	ER	12	2.06 [52.39]	0.2 [5.08]	5000	-	-	-	-
IRF-46	-	-	ER	12	2.06 [52.39]	0.2 [5.08]	3000	-	-	-	-
IHD-1	R16	RR	ER	12	2.06 [52.39]	0.4 [10.16]	800	B08	BH	EB	50
IHD-3	RA3	AC	ER	12	2.87 [72.90]	0.6 [15.24]	200	B08	BH	EB	190
IHD-2	-	-	-	-	-	-	-	-	-	EB	150
IHD-4	-	-	-	-	-	-	-	-	-	EB	60
IHA-101	-	-	-	-	-	-	-	B01	BA	EB	210
IHA-102	-	-	-	-	-	-	-	B01	BA	EB	210
IHA-103	-	-	-	-	-	-	-	B01	BA	EB	200
IHA-104	-	-	-	-	-	-	-	B01	BA	EB	160
IHA-105	-	-	-	-	-	-	-	B01	BA	EB	160
IHA-201	-	-	-	-	-	-	-	B01	BA	EB	200
IHA-202	-	-	-	-	-	-	-	B01	BA	EB	180
IHA-203	-	-	-	-	-	-	-	B01	BA	EB	160
IHA-204	-	-	-	-	-	-	-	B01	BA	EB	120
IHA-205	-	-	-	-	-	-	-	B01	BA	EB	75
IHA-301	-	-	-	-	-	-	-	B01	BA	EB	210
IHA-302	-	-	-	-	-	-	-	B01	BA	EB	240
IHA-303	-	-	-	-	-	-	-	B01	BA	EB	160
IHA-304	-	-	-	-	-	-	-	B01	BA	EB	160

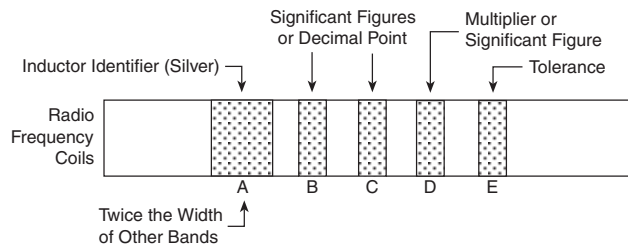


TAPE AND REEL in inches [millimeters]											
MODEL	PREVIOUS CODE*	GLOBAL CODE LEAD BEARING	GLOBAL CODE LEAD (Pb)-FREE	REEL SIZE	CARRIER TAPE WIDTH (W)	COMPONENT PITCH (P)	UNITS/ REEL	PREVIOUS CODE*	GLOBAL CODE LEAD BEARING	GLOBAL CODE LEAD (Pb)-FREE	UNITS/ BULK
IHA-305	-	-		-	-	-	-	B01	BA	EB	160
IHA-501	-	-		-	-	-	-	B01	BA	EB	210
IHA-502	-	-		-	-	-	-	B01	BA	EB	200
IHA-503	-	-		-	-	-	-	B01	BA	EB	75
IHA-504	-	-		-	-	-	-	B01	BA	EB	75
IHA-505	-	-		-	-	-	-	B01	BA	EB	75
IHTH-0750	-	-		-	-	-	-	-	-	EB	25
IHTH-1125	-	-		-	-	-	-	-	-	EB	15
IH-3 5, 27, 50 & 100 μ H	-	-		-	-	-	-	B15	BQ	EB	150
IH-3 10 μ H	-	-		-	-	-	-	B15	BQ	EB	200
IH-3 150 μ H	-	-		-	-	-	-	B15	BQ	EB	50
IH-3 250 μ H	-	-		-	-	-	-	B15	BQ	EB	75
IH-4 0 μ H	-	-		-	-	-	-	B15	BQ	EB	160
IH-5 5 & 10 μ H	-	-		-	-	-	-	B15	BQ	EB	200
IH-5 27 μ H	-	-		-	-	-	-	B15	BQ	EB	150
IH-5 50, 68, 100 & 150 μ H	-	-		-	-	-	-	B15	BQ	EB	50
IH-10 5 & 10 μ H	-	-		-	-	-	-	B15	BQ	EB	150
IH-10 27 μ H	-	-		-	-	-	-	B15	BQ	EB	50
IH-10 50, 68 & 100 μ H	-	-		-	-	-	-	B15	BQ	EB	75
IH-15 5 μ H	-	-		-	-	-	-	B15	BQ	EB	50
IH-15 10 & 27 μ H	-	-		-	-	-	-	B15	BQ	EB	75
IH-15 50 μ H	-	-		-	-	-	-	B15	BQ	EB	60
IHM-2	-	-		-	-	-	-	P12	PM	EB	20
IHB-1	-	-		-	-	-	-	B40	BV	EB	48
IHB-2	-	-		-	-	-	-	B40	BV	EB	30
IHB-3	-	-		-	-	-	-	B40	BV	EB	20
IHB-4	-	-		-	-	-	-	B40	BV	EB	16
IHB-5	-	-		-	-	-	-	B40	BV	EB	16
IHB-6	-	-		-	-	-	-	B40	BV	EB	16
IHV-15-500	-	-		-	-	-	-	B48	BZ	EB	10
IHV-20-200	-	-		-	-	-	-	B48	BZ	EB	10
IHV-28-60	-	-		-	-	-	-	B48	BZ	EB	14
IHV-30-150	-	-		-	-	-	-	B48	BZ	EB	5
IHV-40-39	-	-		-	-	-	-	B48	BZ	EB	10
IHV-45-92	-	-		-	-	-	-	B48	BZ	EB	5
IHV-50-50	-	-		-	-	-	-	B48	BZ	EB	5
IHV-60-24	-	-		-	-	-	-	B48	BZ	EB	5
PC	-	-		-	-	-	-	F09	FJ	EB	40
VIV	-	-		-	-	-	-	F09	FJ	EB	40
VIH	-	-		-	-	-	-	F09	FJ	EB	40
WVL	-	-		-	-	-	-	F09	FJ	EB	40
TJ3-1U	-	-		-	-	-	-	T07	TG	EB	100
TJ3-2U	-	-		-	-	-	-	T07	TG	EB	100

TAPE AND REEL in inches [millimeters]											
MODEL	PREVIOUS CODE*	GLOBAL CODE LEAD BEARING	GLOBAL CODE LEAD (Pb)-FREE	REEL SIZE	CARRIER TAPE WIDTH (W)	COMPONENT PITCH (P)	UNITS/ REEL	PREVIOUS CODE*	GLOBAL CODE LEAD BEARING	GLOBAL CODE LEAD (Pb)-FREE	UNITS/ BULK
TJ4-1U	-	-		-	-	-	-	T07	TG	EB	100
TJ4-2U	-	-		-	-	-	-	T07	TG	EB	30
TJ5-1U	-	-		-	-	-	-	T07	TG	EB	100
TJ5-2U	-	-		-	-	-	-	T07	TG	EB	30
TJ5-1U-HT	-	-		-	-	-	-	-	-	EB	48
TJ5-2U-HT	-	-		-	-	-	-	-	-	EB	24
TJ3-1U-HT	-	-		-	-	-	-	-	-	EB	60
TJ3-2U-HT	-	-		-	-	-	-	-	-	EB	30
TJ6-1U	-	-		-	-	-	-	T07	TG	EB	20
TJ6-2U	-	-		-	-	-	-	T07	TG	EB	36
TJ7-1U	-	-		-	-	-	-	T07	TG	EB	20
TJ7-2U	-	-		-	-	-	-	T07	TG	EB	12
TJ8-1U	-	-		-	-	-	-	T07	TG	EB	15
TJ8-2U	-	-		-	-	-	-	T07	TG	EB	8
TJ9-1U	-	-		-	-	-	-	T07	TG	EB	9
TJ9-2U	-	-		-	-	-	-	T07	TG	EB	3
TE-3	-	-		-	-	-	-	P09	PJ	EB	5
TE-4	-	-		-	-	-	-	P09	PJ	EB	2
TE-5	-	-		-	-	-	-	P09	PJ	EB	2
TD-3	-	-		-	-	-	-	P09	PJ	EB	5
TD-4	-	-		-	-	-	-	P09	PJ	EB	2
TD-5	-	-		-	-	-	-	P09	PJ	EB	2
TC	-	-		-	-	-	-	B09	BJ	EB	36
TA	-	-		-	-	-	-	B42	BX	EB	45
PT-10	-	-		-	-	-	-	C03	CC	EB	32
PT-20	-	-		-	-	-	-	B09	BJ	EB	32
PT-50	-	-		-	-	-	-	B09	BJ	EB	45
PT-100	-	-		-	-	-	-	B09	BJ	EB	50
PT-200	-	-		-	-	-	-	B09	BJ	EB	50
PL-11-xx	-	-		-	-	-	-	C03	CC	EB	10
PL-22-xx	-	-		-	-	-	-	C03	CC	EB	10

MILITARY PART ORDERING EXAMPLES	
TRANSFORMERS AND INDUCTORS	
<p>MIL-T-27E (Basic [TF]) (Established Reliability - None) $\frac{M27}{1} \frac{215}{2} \frac{05}{3} =$ Dale TE- 1.0 2% Type 3Q0TR mH</p>	<ol style="list-style-type: none"> 1. Military Specification 2. Specification Sheet Number 3. Specification Sheet Dash Number Indicating Value and Electrical Ratings
<p>MIL-C-15305E (Basic [LT]) (Established Reliability MIL-C-39010) $\frac{LT}{1} \frac{4}{2} \frac{K}{3} =$ Dale IM-2 (0.10 μH to 1.00 μH) 10 % Type</p>	<p>NOTE: Parts will be color banded. Value per Military Standard dash number.</p> <ol style="list-style-type: none"> 1. Style 2. Grade and Class 3. Family K = Coil, Radio Frequency, Fixed

MILITARY COLOR CODES - RF COILS			
	BAND B & C	BAND D	BAND E
COLOR	SIGNIFICANT FIGURES or DECIMAL POINT	MULTIPLIER* or SIGNIFICANT FIGURE	INDUCTANCE TOLERANCE
Black	0	1	-
Brown	1	10	± 1 %
Red	2	100	± 2 %
Orange	3	1000	± 3 %
Yellow	4	10 000	± 4 %
Green	5	-	-
Blue	6	-	-
Violet	7	-	-
Gray	8	-	-
White	9	-	-
None**	-	-	± 20 %
Silver	-	-	± 10 %
Gold	Decimal Point	-	± 5 %



Band "A" is twice the width of the other bands and is silver in color to identify part as an inductor. ***

For Inductance Values Less Than 10 either Band "B" or Band "C" will be gold and will represent the decimal point. The other two bands ("B" and "D" or "C" and "D") will represent significant figures.

For Inductance Values of 10 or More Band "B" and Band "C" represent significant figures and Band "D" is the Multiplier.

For small units, dots may be used in place of bands.

* The multiplier is the factor by which two significant figures are multiplied to yield the nominal inductance value.

** Indicates body color.

*** Coated inductors are marked with four color bands, the first being a double wide significant figure or decimal point in lieu of the double wide silver inductor identifier.