

Size	Thickness	EATON PN	PCN STATUS	Inductance	DCR		Saturation Current	Heat Rating Current
(mm)	(mm)			(mH)	(mΩ)		Isat (A)	Irms (A)
				@1MHz	typ.	max.	typ.	typ.
4040	1.2	MPI4040R1-R33-R	EOL	0.33	28.00	33.60	11.00	4.40
		MPI4012V2-R33-R	NEW	0.33	17.00	19.00	8.40	6.50
			Performance Δ	SAME	BETTER	BETTER	SIMILAR	BETTER
		MPI4040R1-R47-R	EOL	0.47	20.00	24.00	11.50	5.20
		MPI4012V2-R47-R	NEW	0.47	19.00	21.00	6.80	6.00
			Performance Δ	SAME	BETTER	BETTER	SIMILAR	BETTER
		MPI4040R1-R68-R	EOL	0.68	51.00	61.20	9.00	3.30
		MPI4012V2-R68-R	NEW	0.68	32.00	36.00	6.00	4.70
			Performance Δ	SAME	BETTER	BETTER	SIMILAR	BETTER
		MPI4040R1-1R0-R	EOL	1.00	40.00	48.00	7.70	3.70
		MPI4012V2-1R0-R	NEW	1.00	43.00	47.00	5.50	4.50
			Performance Δ	SAME	SIMILAR	BETTER	SIMILAR	BETTER
		MPI4040R1-1R5-R	EOL	1.50	60.00	72.00	6.50	3.00
		MPI4012V2-1R5-R	NEW	1.50	68.00	75.00	4.00	3.25
			Performance Δ	SAME	SIMILAR	SIMILAR	SIMILAR	BETTER
		MPI4040R1-2R2-R	EOL	2.20	80.00	96.00	5.90	2.60
		MPI4012V2-2R2-R	NEW	2.20	79.40	93.50	3.50	2.75
			Performance Δ	SAME	BETTER	BETTER	SIMILAR	BETTER
MPI4040R1-4R7-R	EOL	4.70	180.00	216.00	3.80	1.80		
MPI4012V2-4R7-R	NEW	4.70	175.00	195.00	2.80	1.80		
	Performance Δ	SAME	BETTER	BETTER	SIMILAR	BETTER		
4040	1.5	MPI4040R2-R47-R	EOL	0.47	13.00	15.60	12.20	6.40
		MPI4015V2-R47-R	NEW	0.47	11.50	14.00	8.00	6.00
			Performance Δ	SAME	BETTER	BETTER	SIMILAR	SIMILAR
		MPI4040R2-1R0-R	EOL	1.00	25.00	30.00	8.90	4.60
		MPI4015V2-1R0-R	NEW	1.00	24.00	30.00	6.00	4.50
			Performance Δ	SAME	BETTER	BETTER	SIMILAR	SIMILAR
		MPI4040R2-1R5-R	EOL	1.50	37.00	44.40	7.60	3.80
		MPI4015V2-1R5-R	NEW	1.50	37.00	45.00	5.50	4.80
			Performance Δ	SAME	BETTER	SIMILAR	SIMILAR	BETTER
		MPI4040R2-2R2-R	EOL	2.20	58.00	69.60	5.70	3.20
		MPI4015V2-2R2-R	NEW	2.20	65.00	75.00	4.50	4.00
			Performance Δ	SAME	SIMILAR	SIMILAR	SIMILAR	BETTER
		MPI4040R2-3R3-R	EOL	3.30	76.00	91.20	5.40	2.60
		MPI4015V2-3R3-R	NEW	3.30	76.00	82.00	3.80	3.00
			Performance Δ	SAME	BETTER	BETTER	SIMILAR	BETTER
		MPI4040R2-4R7-R	EOL	4.70	105.00	126.00	4.30	2.20
		MPI4015V2-4R7-R	NEW	4.70	107.00	115.00	3.00	2.50
			Performance Δ	SAME	SIMILAR	BETTER	SIMILAR	BETTER
MPI4040R2-6R8-R	EOL	6.80	158.00	189.60	3.40	1.80		
MPI4015V2-6R8-R	NEW	6.80	175.00	185.00	2.20	2.00		
	Performance Δ	SAME	SIMILAR	BETTER	SIMILAR	BETTER		
MPI4040R2-100-R	EOL	10.00	240.00	288.00	3.10	1.50		
MPI4015V2-100-R	NEW	10.00	?	?	?	?		
	Performance Δ	TBD	TBD	TBD	TBD	TBD		
		NONE	EOL	N/A	N/A	N/A	N/A	N/A
		MPI4020V2-R10-R	NEW	0.10	3.50	4.00	22.00	13.00
			Performance Δ	N/A	N/A	N/A	N/A	N/A
		MPI4040R3-R22-R	EOL	0.22	5.80	6.96	20.00	8.00
		MPI4040R4-R22-R	EOL	0.22	5.30	6.36	15.00	10.10

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2.0

MPI4020V2-R22-R	NEW	0.22	6.00	6.60	12.50	9.50
	Performance Δ	SAME	SIMILAR	SIMILAR	SIMILAR	SIMILAR
MPI40400R4-R33-R	EOL	0.33	6.00	7.20	12.80	9.50
MPI4020V2-R33-R	NEW	0.33	9.00	11.00	12.00	10.00
	Performance Δ	SAME	SIMILAR	SIMILAR	SIMILAR	BETTER
MPI4040R3-R47-R	EOL	0.47	10.30	12.36	17.00	5.80
MPI4040R4-R47-R	EOL	0.47	8.20	9.84	11.50	8.10
MPI4020V2-R47-R	NEW	0.47	12.50	14.00	9.50	7.50
	Performance Δ	SAME	SIMILAR	SIMILAR	SIMILAR	SIMILAR
NONE	EOL	N/A	N/A	N/A	N/A	N/A
MPI4020V2-R56-R	NEW	0.56	14.00	16.00	10.00	7.00
	Performance Δ	N/A	N/A	N/A	N/A	N/A
NONE	EOL	N/A	N/A	N/A	N/A	N/A
MPI4020V2-R68-R	NEW	0.68	16.00	18.00	9.00	7.00
	Performance Δ	N/A	N/A	N/A	N/A	N/A
MPI4040R4-1R0-R	EOL	1.00	17.00	20.40	8.20	5.70
MPI4020V2-1R0-R	NEW	1.00	24.00	27.00	7.00	6.00
	Performance Δ	SAME	SIMILAR	SIMILAR	SIMILAR	BETTER
MPI4040R3-1R5-R	EOL	1.50	36.00	43.20	8.20	3.80
MPI4040R4-1R5-R	EOL	1.50	23.00	27.60	6.90	4.90
MPI4020V2-1R5-R	NEW	1.50	38.00	46.00	6.00	5.00
	Performance Δ	SAME	SIMILAR	SIMILAR	SIMILAR	BETTER
MPI4040R3-2R2-R	EOL	2.20	48.00	57.60	7.90	3.40
MPI4040R4-2R2-R	EOL	2.20	35.00	42.00	5.70	3.90
MPI4040R4-2R2-F	EOL	2.20	35.00	42.00	5.70	3.90
MPI4020V2-2R2-R	NEW	2.20	52.00	58.00	5.00	4.50
	Performance Δ	SAME	SIMILAR	SIMILAR	SIMILAR	BETTER
MPI4040R3-3R3-R	EOL	3.30	60.00	72.00	6.60	3.00
MPI4040R4-3R3-R	EOL	3.30	49.00	58.80	4.50	3.30
MPI4020V2-3R3-R	NEW	3.30	74.00	87.00	4.00	3.30
	Performance Δ	SAME	SIMILAR	SIMILAR	SIMILAR	BETTER
MPI4040R3-4R7-R	EOL	4.70	92.00	110.40	4.80	2.30
MPI4040R4-4R7-R	EOL	4.70	67.00	80.40	3.90	2.90
MPI4020V2-4R7-R	NEW	4.70	92.00	105.00	3.00	2.80
	Performance Δ	SAME	SIMILAR	SIMILAR	SIMILAR	SIMILAR
MPI4040R3-6R8-R	EOL	6.80	120.00	144.00	4.50	2.00
MPI4040R4-6R8-R	EOL	6.80	91.00	109.20	3.20	2.40
MPI4020V2-6R8-R	NEW	6.80	160.00	175.00	2.50	2.40
	Performance Δ	SAME	SIMILAR	SIMILAR	SIMILAR	BETTER
MPI4040R3-100-R	EOL	10.00	213.00	255.60	3.80	1.50
MPI4040R4-100-R	EOL	10.00	148.00	177.50	2.60	1.90
MPI4020V2-100-R	NEW	10.00	256.00	282.00	2.20	1.60
	Performance Δ	SAME	SIMILAR	SIMILAR	SIMILAR	SIMILAR
MPI4040R3-220-R	EOL	22.00	408.00	489.60	2.20	1.10
MPI4040R4-220-R	EOL	22.00	316.00	379.20	1.80	1.30
MPI4020V2-220-R	NEW	22.00	300.00	350.00	1.20	1.00
	Performance Δ	SAME	BETTER	BETTER	SIMILAR	SIMILAR

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(mm)	(mm)			(mH)	(mΩ)		Isat (A)		Irms (A)	
				@1MHz	typ.	max.	typ.	max.	typ.	max.
2520	1.2	MPI2520R1-R47-R	EOL	0.47	20.00	24.00	4.80	N/A	4.50	N/A
		MPI2512V1-R47-R	NEW	0.47	16.00	22.00	6.80	6.20	5.80	4.90
			Performance Δ	SAME	BETTER	SIMILAR	BETTER	N/A	BETTER	N/A
		NONE	EOL	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		MPI2512V1-R68-R	NEW	0.68	29.00	35.00	5.00	4.63	3.70	3.36
			Performance Δ	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		MPI2520R1-1R0-R	EOL	1.00	35.00	42.00	4.00	N/A	3.70	NA
		MPI2512V1-1R0-R	NEW	1.00	36.00	44.00	4.80	4.30	3.90	3.30
			Performance Δ	SAME	SIMILAR	SIMILAR	BETTER	N/A	BETTER	N/A
		MPI2520R1-1R5-R	EOL	1.50	55.00	66.00	3.40	N/A	2.90	NA
		MPI2512V1-1R5-R	NEW	1.50	64.00	77.00	3.20	2.91	2.50	2.27
			Performance Δ	SAME	SIMILAR	SIMILAR	SIMILAR	N/A	SIMILAR	N/A
		MPI2520R1-2R2-R	EOL	2.20	75.00	90.00	2.70	N/A	2.30	NA
		MPI2512V1-2R2-R	NEW	2.20	74.00	89.00	3.50	3.20	2.50	2.20
			Performance Δ	SAME	BETTER	BETTER	BETTER	N/A	BETTER	N/A
MPI2520R1-4R7-R	EOL	4.70	150.00	180.00	1.90	N/A	1.60	NA		
MPI2512V1-4R7-R	NEW	4.70	196.00	235.00	1.90	1.58	1.50	1.40		
	Performance Δ	SAME	SIMILAR	SIMILAR	SAME	N/A	SIMILAR	N/A		
2520	1.0	NONE	EOL	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		MPI2510V1-R33-R	NEW	0.33	21.00	26.00	6.60	6.00	4.40	4.00
			Performance Δ	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		MPI2520R0-R47-R	EOL	0.47	28.00	34.00	4.40	N/A	4.10	NA
		MPI2510V1-R47-R	NEW	0.47	23.00	29.00	6.60	6.00	5.20	4.40
			Performance Δ	SAME	BETTER	BETTER	BETTER	N/A	BETTER	N/A
		NONE	EOL	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		MPI2510V1-R68-R	NEW	0.68	37.00	44.00	4.30	3.87	3.40	3.06
			Performance Δ	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		MPI2520R0-1R0-R	EOL	0.90	50.00	60.00	3.20	N/A	3.20	N/A
		MPI2510V1-1R0-R	NEW	1.00	41.00	52.00	4.40	4.00	3.40	3.10
			Performance Δ	BETTER	BETTER	BETTER	BETTER	N/A	BETTER	N/A
		MPI2520R0-1R5-R	EOL	1.50	80.00	96.00	2.60	NA	2.40	N/A
		MPI2510V1-1R5-R	NEW	1.50	76.00	91.00	2.60	2.34	2.50	2.25
			Performance Δ	SAME	BETTER	BETTER	SIMILAR	N/A	BETTER	N/A
MPI2520R0-2R2-R	EOL	2.20	103.00	124.00	2.40	N/A	2.20	N/A		
MPI2510V1-2R2-R	NEW	2.20	88.00	110.00	3.30	3.00	2.40	2.10		
	Performance Δ	SAME	BETTER	BETTER	BETTER	N/A	BETTER	N/A		
MPI2520R0-4R7-R	EOL	4.70	240.00	288.00	1.40	N/A	1.40	N/A		
MPI2510V1-4R7-R	NEW	4.70	220.00	262.00	1.80	1.62	1.36	1.22		
	Performance Δ	SAME	BETTER	BETTER	BETTER	N/A	SIMILAR	N/A		