



High Reliability DC-DC Converters Selection Guide

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Our standard and radiation-hardened converters are at the heart of systems powering mankind's most mission-critical applications.

Space DC-DC Converters

TID>25 krad(Si), SEE>37MeVcm²/mg, MIL-STD-461 compliant filter included.

	Part Number	DLA SMD Part Number	P _{OUT} (W)	V _{OUT} (V)	I _{OUT} (Min./Max.) (A)	V _{IN} ¹ (V)	Package Dimensions (inches)
Single	M3H2803R3S	-	30	3.3	9.1	18-60	3.0 x 2.05 x 0.405
	M3H2805S	-	40	5	8	18-60	3.0 x 2.05 x 0.405
	M3H2805R2S	-	40	5.2	7.69	18-60	3.0 x 2.05 x 0.405
	M3H2812S	-	40	12	3.34	18-60	3.0 x 2.05 x 0.405
	M3H2815S	-	40	15	2.67	18-60	3.0 x 2.05 x 0.405
	M3L2803R3S	-	20	3.3	6.06	18-60	2.3 x 1.5 x 0.405
	M3L2805S	-	25	5	5	18-60	2.3 x 1.5 x 0.405
	M3L2812S	-	25	12	2.08	18-60	2.3 x 1.5 x 0.405
Dual	M3H2805D	-	40	±5	1.6/6.4*	18-60	3.0 x 2.05 x 0.405
	M3H2812D	-	40	±12	.66/2.67*	18-60	3.0 x 2.05 x 0.405
	M3H2815D	-	40	±15	.53/2.13*	18-60	3.0 x 2.05 x 0.405
	M3L2805D	-	25	±5	1/4*	18-60	2.3 x 1.5 x 0.405
	M3L2812D	-	25	±12	.417/1.67*	18-60	2.3 x 1.5 x 0.405
	M3L2815D	-	25	±15	.33/1.33*	18-60	2.3 x 1.5 x 0.405
Triple	M3H280505T	-	40	+5, ±5	4, ±2	18-60	3.0 x 2.05 x 0.405
	M3H280512T	-	40	+5, ±12	4, ±0.833	18-60	3.0 x 2.05 x 0.405
	M3H280515T	-	40	+5, ±15	4, ±0.667	18-60	3.0 x 2.05 x 0.405

TID>25 krad(Si), SEE>60MeVcm²/mg

	Part Number	DLA SMD Part Number	P _{OUT} (W)	V _{OUT} (V)	I _{OUT} (Min./Max.) (A)	V _{IN} ¹ (V)	Package Dimensions (inches)
Single	AMA2805S	5962-04247	5	5	1	16-40	1.13 x 1.13 x 0.33
	AMA2812S	5962-04248	5	12	0.416	16-40	1.13 x 1.13 x 0.33
	AMA2815S	5962-04249	5	15	0.333	16-40	1.13 x 1.13 x 0.33
	AMF2803R3S	-	10	3.3	3	16-40	1.6 x 1.38 x 0.33
	AMF2805S	5962-04252	12	5	2.4	16-40	1.6 x 1.38 x 0.33
	AMF2807R5S	-	12	7.5	1.6	16-40	1.6 x 1.38 x 0.33
	AMF2812S	5962-04253	12	12	1	16-40	1.6 x 1.38 x 0.33
	AMF2815S	5962-04254	12	15	0.8	16-40	1.6 x 1.38 x 0.33
Dual	AMA2805D	-	5	±5	.2/.8*	16-40	1.13 x 1.13 x 0.33
	AMA2812D	5962-04250	5	±12	.083/.333*	16-40	1.13 x 1.13 x 0.33
	AMA2815D	5962-04251	5	±15	.067/.267*	16-40	1.13 x 1.13 x 0.33
	AMF2805D	-	12	±5	.24/2.16*	16-40	1.6 x 1.38 x 0.33
	AMF2812D	5962-05222	12	±12	.1/.9*	16-40	1.6 x 1.38 x 0.33
	AMF2815D	5962-05223	12	±15	.08/.72*	16-40	1.6 x 1.38 x 0.33
	AMR2805D	-	30	±5	.6/5.4*	16-40	2.14 x 1.53 x 0.41
	AMR2812D	-	30	±12	.25/2.25*	16-40	2.14 x 1.53 x 0.41
	AMR2815D	-	30	±15	.2/1.8*	16-40	2.14 x 1.53 x 0.41

TID>50 krad(Si), SEE>40 MeVcm²/mg

	Part Number	DLA SMD Part Number	P _{OUT} (W)	V _{OUT} (V)	I _{OUT} (Min./Max.) (A)	V _{IN} ¹ (V)	Package Dimensions (inches)
Dual	D5001R803R3P	-	7.7	1.8, +3.3	1.5/ 1.5	26-55	1.8 x 1.4 x 0.42
	D2805D	-	10	±5.0	1	18-50	1.8 x 1.4 x 0.42
	D2812D	-	10	±12.0	0.42	18-50	1.8 x 1.4 x 0.42
	D2815D	-	10	±15.0	0.33	18-50	1.8 x 1.4 x 0.42

Note 1: Consult Factory for other input voltages.

Note 2: Dimensions exclude mounting tabs and input/output pins. Please refer to data sheets for detailed case outline information.

DLA: DLA Land and Maritime (formerly DSCC)

* Either output is capable of providing up to the max. current specified so long as the other output is limited to min. current.

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