



# High Reliability DC-DC Converters Selection Guide

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## Space DC-DC Converters

TID>25 krad(Si), SEE>37MeVcm<sup>2</sup>/mg, MIL-STD-461 compliant filter included.

	Part Number	DLA SMD Part Number	P <sub>OUT</sub> (W)	V <sub>OUT</sub> (V)	I <sub>OUT</sub> (Min./Max.) (A)	V <sub>IN</sub> <sup>1</sup> (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>60MeVcm<sup>2</sup>/mg

	Part Number	DLA SMD Part Number	P <sub>OUT</sub> (W)	V <sub>OUT</sub> (V)	I <sub>OUT</sub> (Min./Max.) (A)	V <sub>IN</sub> <sup>1</sup> (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 MeVcm<sup>2</sup>/mg

	Part Number	DLA SMD Part Number	P <sub>OUT</sub> (W)	V <sub>OUT</sub> (V)	I <sub>OUT</sub> (Min./Max.) (A)	V <sub>IN</sub> <sup>1</sup> (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.

TID>100 krad(Si), SEE>82 MeVcm<sup>2</sup>/mg, MIL-STD-461 compliant filter included for LS and LSO series.  
LSO series also includes OVP and input current telemetry.

	Part Number	DLA SMD Part Number	P <sub>OUT</sub> (W)	V <sub>OUT</sub> (V)	I <sub>OUT</sub> (Min./Max.) (A)	V <sub>IN</sub> <sup>1</sup> (V)	Package Dimensions (inches)
Single	LS2801R5S	5962-05238	12	1.5	8	18-40	2.30 x 1.50 x 0.425
	LS2802R5S	-	20	2.5	8	18-40	2.30 x 1.50 x 0.425
	LS2803R3S	5962-05239	25	3.3	7.57	18-40	2.30 x 1.50 x 0.425
	LS2805S	5962-05240	30	5	6	18-40	2.30 x 1.50 x 0.425
	LS2812S	5962-06241	30	12	2.5	18-40	2.30 x 1.50 x 0.425
	LS2815S	5962-06242	30	15	1	18-40	2.30 x 1.50 x 0.425
	LSO2801R5S	-	12	1.5	8	18-40	3.0 x 2.05 x 0.475
	LSO2801R8S	-	14.4	1.8	8	18-40	3.0 x 2.05 x 0.475
	LSO2802R5S	-	20	2.5	8	18-40	3.0 x 2.05 x 0.475
	LSO2803R3S	-	25	3.3	7.57	18-40	3.0 x 2.05 x 0.475
	LSO2805S	-	30	5	6	18-40	3.0 x 2.05 x 0.475
	LSO2812S	-	30	12	2.5	18-40	3.0 x 2.05 x 0.475
	LSO2815S	-	30	15	2	18-40	3.0 x 2.05 x 0.475
	S2803R3S	5962-04238	10	3.3	3.03	18-40	1.71 x 1.31 x 0.425
	S2805S	5962-04239	10	5	2	18-40	1.71 x 1.31 x 0.425
	S2807S	5962-13216	10	7	1.43	18-40	1.71 x 1.31 x 0.425
	S2812S	5962-04240	10	12	0.833	18-40	1.71 x 1.31 x 0.425
	S2815S	5962-04241	10	15	0.67	18-40	1.71 x 1.31 x 0.425

TID>100 krad(Si), SEE>82 MeVcm<sup>2</sup>/mg, MIL-STD-461 compliant filter included for LS and LSO series.

	Part Number	DLA SMD Part Number	P <sub>OUT</sub> (W)	V <sub>OUT</sub> (V)	I <sub>OUT</sub> (Min./Max.) (A)	V <sub>IN</sub> <sup>1</sup> (V)	Package Dimensions (inches)
Single	GH2801S	-	50	1	20	18-40	3.0 x 2.05 x 0.475
	GH2801R5S	-	50	1.5	20	18-40	3.0 x 2.05 x 0.475
	GH2801R8S	-	50	1.8	20	18-40	3.0 x 2.05 x 0.475
	GH2802R5S	-	50	2.5	20	18-40	3.0 x 2.05 x 0.475
	GH2803R3S	5962-10217	50	3.3	15.15	18-40	3.0 x 2.05 x 0.475
	GH2805S	5962-10219	50	5	10	18-40	3.0 x 2.05 x 0.475
	GHP2815S	-	120	15	8	18-40	3.0 x 2.05 x 0.475
Dual	LS2805D	5962-10224	30	±5	1.2/4.8*	18-40	2.3 x 1.50 x 0.425
	LS2812D	5962-05241	30	±12	0.5/2.0*	18-40	2.3 x 1.50 x 0.425
	LS2815D	5962-05242	30	±15	0.4/1.6*	18-40	2.3 x 1.50 x 0.425
	LSO2805D	-	30	±5.0	4.8	18-40	3.0 x 2.05 x 0.475
	LSO2812D	-	30	±12.0	2.3	18-40	3.0 x 2.05 x 0.475
	LSO2815D	-	30	±15.0	1.6	18-40	3.0 x 2.05 x 0.475
	S2805D	5962-04242	10	±5	±1	18-40	1.71 x 1.31 x 0.425
	S2812D	5962-04243	10	±12	±0.417	18-40	1.71 x 1.31 x 0.425
S2815D	5962-04244	10	±15	±0.333	18-40	1.71 x 1.31 x 0.425	

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.

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