



Note. V_{OUT} cross regulation is -5%, if I_{LOADS} are within 10% of each other

Figure 1. ±2.5V/0.5A Split Power Supply

Bill of Materials

Item	Part Number	Manufacturer	Description	Qty
C1	594D156X0035D2T	Vishay-Sprague ⁽¹⁾	15µF, 35V	1
C2, C3, C4	594D337X06R3DT2	Vishay-Sprague ⁽¹⁾	330µF, 6.3V	3
C5	GRM42-6 XR7 334K	Murata ⁽²⁾	0.33µF, 50V	1
D1	SS24	Micro Commercial ⁽³⁾	2A, 40V, Schottky Diode	1
R1, R2			3.01k, 1%	2
T1	CTX68-4A		68µH, $I_{SAT} = 0.8A$	1
U1	MIC4684BM	Micrel Semiconductor⁽⁴⁾	2A High-Efficiency SuperSwitcher™ Buck Regulator	1

1. Vishay-Sprague tel: 207-490-7256

2. Murata tel: 949-916-4000

3. Micro Commercial Corp. tel: 800-346-3371

4. Micrel Semiconductor tel: 408-944-0800

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