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9001:2015 CERTIFIED





FEATURES

- Shielded construction
- Soft saturation
- High current density
- Designed for switching frequencies between 100KHz-2MHz
- Automotive option available upon request

ELECTRICAL SPECIFICATIONS @ 25°C

MPLA7030S-R10NT	PART NUMBER*	1BFR*		IRMS		DC RESISTANCE (mΩ)		TYPE	
AMPLA7030S-R1SNT 0.13 30 27.6 50 1.3 1.8 Lead Frame AMPLA7030S-R1SNT 0.15 30 27 45 1.5 1.9 Lead Frame AMPLA7030S-R18NT 0.18 30 25 43 1.7 2.3 Lead Frame AMPLA7030S-R2NT 0.19 30 24 41 1.8 2.5 Lead Frame AMPLA7030S-R2NT 0.20 30 24 41 1.8 2.5 Lead Frame AMPLA7030S-R2NT 0.22 30 23 40 2.1 2.8 Lead Frame AMPLA7030S-R2SMT 0.25 20 21 39 3.3 3.5 Lead Frame AMPLA7030S-R3MT 0.33 20 20 32 3.5 3.9 Lead Frame AMPLA7030S-R3MT 0.40 20 18 27.5 3.7 4.1 Lead Frame AMPLA7030S-R40MT 0.40 20 18 27.5 3.7 4.1 Lead Frame		(uH)	(%)	(A)	(A)	TYP	MAX		
AMPLA7030S-R16NT	AMPLA7030S-R10NT	0.10	30	32.5	60	1.2	1.7	Lead Frame	
AMPLA7030S-R16NT 0.16 30 27 45 1.5 1.9 Lead Frame AMPLA7030S-R18NT 0.18 30 25 43 17 2.3 Lead Frame AMPLA7030S-R19NT 0.19 30 24 41 1.8 2.5 Lead Frame AMPLA7030S-R2DNT 0.20 30 24 41 1.8 2.5 Lead Frame AMPLA7030S-R2SMT 0.25 20 21 39 3.3 3.5 Lead Frame AMPLA7030S-R33MT 0.33 20 20 32 3.5 3.9 Lead Frame AMPLA7030S-R36MT 0.36 20 19 32 3.6 4.2 Lead Frame AMPLA7030S-R40MT 0.40 20 18 27.5 3.7 4.1 Lead Frame AMPLA7030S-R40MT 0.47 20 17.5 26 4.0 4.2 Lead Frame AMPLA7030S-R80MT 0.60 20 16-5 25.5 4.7 5.0 Lead Frame <td>AMPLA7030S-R13NT</td> <td>0.13</td> <td>30</td> <td>27.6</td> <td>50</td> <td>1.3</td> <td>1.8</td> <td>Lead Frame</td>	AMPLA7030S-R13NT	0.13	30	27.6	50	1.3	1.8	Lead Frame	
AMPLA7030S-R18NT 0.18 30 25 43 1.7 2.3 Lead Frame AMPLA7030S-R19NT 0.19 30 24 41 1.8 2.5 Lead Frame AMPLA7030S-R20NT 0.20 30 24 41 1.8 2.5 Lead Frame AMPLA7030S-R25MT 0.22 30 23 40 2.1 2.8 Lead Frame AMPLA7030S-R3MT 0.33 20 20 32 3.5 3.9 Lead Frame AMPLA7030S-R36MT 0.36 20 19 32 3.6 4.2 Lead Frame AMPLA7030S-R40MT 0.40 20 18 27.5 3.7 4.1 Lead Frame AMPLA7030S-R60MT 0.47 20 17.5 26 4.0 4.2 Lead Frame AMPLA7030S-R60MT 0.60 20 16 25.5 4.7 5.0 Lead Frame AMPLA7030S-R8BMT 0.68 20 15.5 25 4.8 5.5 Lead Frame <td>AMPLA7030S-R15NT</td> <td>0.15</td> <td>30</td> <td>27</td> <td>45</td> <td>1.5</td> <td>1.9</td> <td>Lead Frame</td>	AMPLA7030S-R15NT	0.15	30	27	45	1.5	1.9	Lead Frame	
AMPLA7030S-R19NT 0.19 30 24 41 1.8 2.5 Lead Frame AMPLA7030S-R22NT 0.20 30 24 41 1.8 2.5 Lead Frame AMPLA7030S-R22NT 0.22 30 23 40 21 2.8 Lead Frame AMPLA7030S-R3MT 0.25 20 21 39 3.3 3.5 Lead Frame AMPLA7030S-R36MT 0.36 20 19 32 3.6 4.2 Lead Frame AMPLA7030S-R40MT 0.40 20 18 27.5 3.7 4.1 Lead Frame AMPLA7030S-R47MT 0.47 20 17.5 26 4.0 4.2 Lead Frame AMPLA7030S-R56MT 0.56 20 16.5 25.5 4.7 5.0 Lead Frame AMPLA7030S-R68MT 0.60 20 16 25.5 4.7 5.2 Lead Frame AMPLA7030S-R82MT 0.68 20 15.5 25 4.8 5.5 Lead Frame	AMPLA7030S-R16NT	0.16	30	27	45	1.5	1.9	Lead Frame	
AMPLA7030S-R20NT 0.20 30 24 41 1.8 2.5 Lead Frame AMPLA7030S-R25MT 0.22 30 23 40 2.1 2.8 Lead Frame AMPLA7030S-R25MT 0.25 20 21 39 3.3 3.5 Lead Frame AMPLA7030S-R36MT 0.36 20 19 32 3.6 4.2 Lead Frame AMPLA7030S-R40MT 0.40 20 18 27.5 3.7 4.1 Lead Frame AMPLA7030S-R56MT 0.47 20 17.5 26 4.0 4.2 Lead Frame AMPLA7030S-R56MT 0.56 20 16.5 25.5 4.7 5.0 Lead Frame AMPLA7030S-R60MT 0.60 20 16 5.5 4.7 5.2 Lead Frame AMPLA7030S-R68MT 0.68 20 15.5 25 4.8 5.5 Lead Frame AMPLA7030S-R89MT 0.75 20 14.5 24.5 5.5 6.6 Lead	AMPLA7030S-R18NT	0.18	30	25	43	1.7	2.3	Lead Frame	
AMPLA7030S-R22NT 0.22 30 23 40 2.1 2.8 Lead Frame AMPLA7030S-R25MT 0.25 20 21 39 3.3 3.5 Lead Frame AMPLA7030S-R33MT 0.33 20 20 32 3.5 3.9 Lead Frame AMPLA7030S-R36MT 0.36 20 19 32 3.6 4.2 Lead Frame AMPLA7030S-R47MT 0.40 20 18 27.5 3.7 4.1 Lead Frame AMPLA7030S-R56MT 0.47 20 17.5 26 4.0 4.2 Lead Frame AMPLA7030S-R56MT 0.56 20 16.5 25.5 4.7 5.0 Lead Frame AMPLA7030S-R68MT 0.68 20 15.5 25 4.8 5.5 Lead Frame AMPLA7030S-R59MT 0.75 20 14.5 24.5 5.5 6.6 Lead Frame AMPLA7030S-R52MT 0.82 20 13 24 6.7 8 Lead Fra	AMPLA7030S-R19NT	0.19	30	24	41	1.8	2.5	Lead Frame	
AMPLA7030S-R25MT 0.25 20 21 39 3.3 3.5 Lead Frame AMPLA7030S-R33MT 0.33 20 20 32 3.5 3.9 Lead Frame AMPLA7030S-R36MT 0.36 20 19 32 3.6 4.2 Lead Frame AMPLA7030S-R40MT 0.40 20 18 27.5 3.7 4.1 Lead Frame AMPLA7030S-R45MT 0.47 20 17.5 26 4.0 4.2 Lead Frame AMPLA7030S-R5MT 0.56 20 16.5 25.5 4.7 5.0 Lead Frame AMPLA7030S-R60MT 0.60 20 16 25.5 4.7 5.2 Lead Frame AMPLA7030S-R68MT 0.68 20 15.5 25 4.8 5.5 Lead Frame AMPLA7030S-R82MT 0.82 20 13 24 6.7 8 Lead Frame AMPLA7030S-S1RSMT 1.0 20 11 22 8.3 10 Lead Frame </td <td>AMPLA7030S-R20NT</td> <td>0.20</td> <td>30</td> <td>24</td> <td>41</td> <td>1.8</td> <td>2.5</td> <td>Lead Frame</td>	AMPLA7030S-R20NT	0.20	30	24	41	1.8	2.5	Lead Frame	
AMPLA7030S-R33MT 0.33 20 20 32 3.5 3.9 Lead Frame AMPLA7030S-R36MT 0.36 20 19 32 3.6 4.2 Lead Frame AMPLA7030S-R40MT 0.40 20 18 27.5 3.7 4.1 Lead Frame AMPLA7030S-R47MT 0.47 20 17.5 26 4.0 4.2 Lead Frame AMPLA7030S-R56MT 0.56 20 16.5 25.5 4.7 5.2 Lead Frame AMPLA7030S-R68MT 0.60 20 16 25.5 4.7 5.2 Lead Frame AMPLA7030S-R68MT 0.68 20 15.5 25 4.8 5.5 Lead Frame AMPLA7030S-R82MT 0.82 20 13 24 6.7 8 Lead Frame AMPLA7030S-R82MT 0.90 20 11 22 8.3 10 Lead Frame AMPLA7030S-1R8MT 1.0 20 11 22 8.3 10 Lead Frame <td>AMPLA7030S-R22NT</td> <td>0.22</td> <td>30</td> <td>23</td> <td>40</td> <td>2.1</td> <td>2.8</td> <td>Lead Frame</td>	AMPLA7030S-R22NT	0.22	30	23	40	2.1	2.8	Lead Frame	
AMPLA7030S-R36MT 0.36 20 19 32 3.6 4.2 Lead Frame AMPLA7030S-R40MT 0.40 20 18 27.5 3.7 4.1 Lead Frame AMPLA7030S-R47MT 0.47 20 17.5 26 4.0 4.2 Lead Frame AMPLA7030S-R56MT 0.56 20 16.5 25.5 4.7 5.0 Lead Frame AMPLA7030S-R60MT 0.60 20 16 25.5 4.7 5.2 Lead Frame AMPLA7030S-R68MT 0.68 20 15.5 25 4.8 5.5 Lead Frame AMPLA7030S-R75MT 0.75 20 14.5 24.5 5.5 6.6 Lead Frame AMPLA7030S-R82MT 0.82 20 13 24 6.7 8 Lead Frame AMPLA7030S-1R0MT 1.0 20 11 22 8.3 10 Lead Frame AMPLA7030S-1R8MT 1.5 20 9.0 18 13 15 Lead Frame	AMPLA7030S-R25MT	0.25	20	21	39	3.3	3.5	Lead Frame	
AMPLA7030S-R40MT 0.40 20 18 27.5 3.7 4.1 Lead Frame AMPLA7030S-R47MT 0.47 20 17.5 26 4.0 4.2 Lead Frame AMPLA7030S-R56MT 0.56 20 16.5 25.5 4.7 5.0 Lead Frame AMPLA7030S-R66MT 0.60 20 16 25.5 4.7 5.2 Lead Frame AMPLA7030S-R68MT 0.68 20 15.5 25 4.8 5.5 Lead Frame AMPLA7030S-R75MT 0.75 20 14.5 24.5 5.5 6.6 Lead Frame AMPLA7030S-R82MT 0.82 20 13 24 6.7 8 Lead Frame AMPLA7030S-R90MT 0.90 20 11 22 8.3 10 Lead Frame AMPLA7030S-1R2MT 1.2 20 10 20 12 Lead Frame AMPLA7030S-1R8MT 1.8 20 8.5 16 14 17 Lead Frame <t< td=""><td>AMPLA7030S-R33MT</td><td>0.33</td><td>20</td><td>20</td><td>32</td><td>3.5</td><td>3.9</td><td>Lead Frame</td></t<>	AMPLA7030S-R33MT	0.33	20	20	32	3.5	3.9	Lead Frame	
AMPLA7030S-R47MT 0.47 20 17.5 26 4.0 4.2 Lead Frame AMPLA7030S-R56MT 0.56 20 16.5 25.5 4.7 5.0 Lead Frame AMPLA7030S-R60MT 0.60 20 16 25.5 4.7 5.2 Lead Frame AMPLA7030S-R68MT 0.68 20 15.5 25 4.8 5.5 Lead Frame AMPLA7030S-R82MT 0.82 20 13 24 6.7 8 Lead Frame AMPLA7030S-R90MT 0.90 20 11 22 8.3 10 Lead Frame AMPLA7030S-1R0MT 1.0 20 11 22 8.3 10 Lead Frame AMPLA7030S-1R2MT 1.2 20 10 20 10 12 Lead Frame AMPLA7030S-1R8MT 1.5 20 9.0 18 13 15 Lead Frame AMPLA7030S-2R8MT 1.8 20 8.5 16 14 17 Lead Frame </td <td>AMPLA7030S-R36MT</td> <td>0.36</td> <td>20</td> <td>19</td> <td>32</td> <td>3.6</td> <td>4.2</td> <td>Lead Frame</td>	AMPLA7030S-R36MT	0.36	20	19	32	3.6	4.2	Lead Frame	
AMPLA7030S-R56MT 0.56 20 16.5 25.5 4.7 5.0 Lead Frame AMPLA7030S-R60MT 0.60 20 16 25.5 4.7 5.2 Lead Frame AMPLA7030S-R68MT 0.68 20 15.5 25 4.8 5.5 Lead Frame AMPLA7030S-R68MT 0.75 20 14.5 24.5 5.5 6.6 Lead Frame AMPLA7030S-R82MT 0.82 20 13 24 6.7 8 Lead Frame AMPLA7030S-R90MT 0.90 20 11 22 8.3 10 Lead Frame AMPLA7030S-1R9MT 1.0 20 11 22 8.3 10 Lead Frame AMPLA7030S-1R5MT 1.5 20 9.0 18 13 15 Lead Frame AMPLA7030S-1R8MT 1.8 20 8.5 16 14 17 Lead Frame AMPLA7030S-2R2MT 2.0 20 8.2 15 16 19 Lead Frame	AMPLA7030S-R40MT	0.40	20	18	27.5	3.7	4.1	Lead Frame	
AMPLA7030S-R60MT 0.60 20 16 25.5 4.7 5.2 Lead Frame AMPLA7030S-R68MT 0.68 20 15.5 25 4.8 5.5 Lead Frame AMPLA7030S-R75MT 0.75 20 14.5 24.5 5.5 6.6 Lead Frame AMPLA7030S-R82MT 0.82 20 13 24 6.7 8 Lead Frame AMPLA7030S-R90MT 0.90 20 11 22 8.3 10 Lead Frame AMPLA7030S-1R0MT 1.0 20 11 22 8.3 10 Lead Frame AMPLA7030S-1R2MT 1.2 20 10 20 10 12 Lead Frame AMPLA7030S-1R8MT 1.8 20 8.5 16 14 17 Lead Frame AMPLA7030S-2R0MT 2.0 20 8.2 15 16 19 Lead Frame AMPLA7030S-2R2MT 2.2 20 8.0 14 18 20 Lead Frame	AMPLA7030S-R47MT	0.47	20	17.5	26	4.0	4.2	Lead Frame	
AMPLA7030S-R68MT 0.68 20 15.5 25 4.8 5.5 Lead Frame AMPLA7030S-R75MT 0.75 20 14.5 24.5 5.5 6.6 Lead Frame AMPLA7030S-R82MT 0.82 20 13 24 6.7 8 Lead Frame AMPLA7030S-R90MT 0.90 20 11 22 8.3 10 Lead Frame AMPLA7030S-1R0MT 1.0 20 11 22 8.3 10 Lead Frame AMPLA7030S-1R2MT 1.2 20 10 20 10 12 Lead Frame AMPLA7030S-1R3MT 1.5 20 9.0 18 13 15 Lead Frame AMPLA7030S-1R8MT 1.8 20 8.5 16 14 17 Lead Frame AMPLA7030S-2R0MT 2.0 20 8.2 15 16 19 Lead Frame AMPLA7030S-2R5MT 2.5 20 7.0 13 20 22 Lead Frame	AMPLA7030S-R56MT	0.56	20	16.5	25.5	4.7	5.0	Lead Frame	
AMPLA7030S-R75MT 0.75 20 14.5 24.5 5.5 6.6 Lead Frame AMPLA7030S-R82MT 0.82 20 13 24 6.7 8 Lead Frame AMPLA7030S-R90MT 0.90 20 11 22 8.3 10 Lead Frame AMPLA7030S-1R0MT 1.0 20 11 22 8.3 10 Lead Frame AMPLA7030S-1R2MT 1.2 20 10 20 10 12 Lead Frame AMPLA7030S-1R5MT 1.5 20 9.0 18 13 15 Lead Frame AMPLA7030S-1R8MT 1.8 20 8.5 16 14 17 Lead Frame AMPLA7030S-2R0MT 2.0 20 8.2 15 16 19 Lead Frame AMPLA7030S-2R5MT 2.2 20 8.0 14 18 20 Lead Frame AMPLA7030S-2R7MT 2.7 20 7.0 13 24 27 Lead Frame	AMPLA7030S-R60MT	0.60	20	16	25.5	4.7	5.2	Lead Frame	
AMPLA7030S-R82MT 0.82 20 13 24 6.7 8 Lead Frame AMPLA7030S-R90MT 0.90 20 11 22 8.3 10 Lead Frame AMPLA7030S-IROMT 1.0 20 11 22 8.3 10 Lead Frame AMPLA7030S-IR2MT 1.2 20 10 20 10 12 Lead Frame AMPLA7030S-IR5MT 1.5 20 9.0 18 13 15 Lead Frame AMPLA7030S-IR8MT 1.8 20 8.5 16 14 17 Lead Frame AMPLA7030S-2R0MT 2.0 20 8.2 15 16 19 Lead Frame AMPLA7030S-2R2MT 2.2 20 8.0 14 18 20 Lead Frame AMPLA7030S-2R7MT 2.7 20 7.0 13 24 27 Lead Frame AMPLA7030S-3R3MT 3.3 20 6.0 13.5 28 30 Lead Frame	AMPLA7030S-R68MT	0.68	20	15.5	25	4.8	5.5	Lead Frame	
AMPLA7030S-R90MT 0.90 20 11 22 8.3 10 Lead Frame AMPLA7030S-1R0MT 1.0 20 11 22 8.3 10 Lead Frame AMPLA7030S-1R2MT 1.2 20 10 20 10 12 Lead Frame AMPLA7030S-1R2MT 1.5 20 9.0 18 13 15 Lead Frame AMPLA7030S-1R8MT 1.8 20 8.5 16 14 17 Lead Frame AMPLA7030S-2R0MT 2.0 20 8.2 15 16 19 Lead Frame AMPLA7030S-2R2MT 2.2 20 8.0 14 18 20 Lead Frame AMPLA7030S-2R5MT 2.5 20 7.0 13 20 22 Lead Frame AMPLA7030S-2R7MT 2.7 20 7.0 13 24 27 Lead Frame AMPLA7030S-3R3MT 3.3 20 6.0 13.5 28 30 Lead Frame	AMPLA7030S-R75MT	0.75	20	14.5	24.5	5.5	6.6	Lead Frame	
AMPLA7030S-1R0MT 1.0 20 11 22 8.3 10 Lead Frame AMPLA7030S-1R2MT 1.2 20 10 20 10 12 Lead Frame AMPLA7030S-1R2MT 1.5 20 9.0 18 13 15 Lead Frame AMPLA7030S-1R8MT 1.8 20 8.5 16 14 17 Lead Frame AMPLA7030S-2R0MT 2.0 20 8.2 15 16 19 Lead Frame AMPLA7030S-2R2MT 2.2 20 8.0 14 18 20 Lead Frame AMPLA7030S-2R5MT 2.5 20 7.0 13 20 22 Lead Frame AMPLA7030S-2R7MT 2.7 20 7.0 13 24 27 Lead Frame AMPLA7030S-3R3MT 3.3 20 6.0 13.5 28 30 Lead Frame AMPLA7030S-4R7MT 4.7 20 5.5 10 37 40 Lead Frame	AMPLA7030S-R82MT	0.82	20	13	24	6.7	8	Lead Frame	
AMPLA7030S-1R2MT 1.2 20 10 20 10 12 Lead Frame AMPLA7030S-1R5MT 1.5 20 9.0 18 13 15 Lead Frame AMPLA7030S-1R8MT 1.8 20 8.5 16 14 17 Lead Frame AMPLA7030S-2R0MT 2.0 20 8.2 15 16 19 Lead Frame AMPLA7030S-2R2MT 2.2 20 8.0 14 18 20 Lead Frame AMPLA7030S-2R5MT 2.5 20 7.0 13 20 22 Lead Frame AMPLA7030S-2R7MT 2.7 20 7.0 13 24 27 Lead Frame AMPLA7030S-3R3MT 3.3 20 6.0 13.5 28 30 Lead Frame AMPLA7030S-4R7MT 4.7 20 5.5 10 37 40 Lead Frame AMPLA7030S-5R6MT 5.6 20 5.0 9.0 43 48 Lead Frame	AMPLA7030S-R90MT	0.90	20	11	22	8.3	10	Lead Frame	
AMPLA7030S-1R5MT 1.5 20 9.0 18 13 15 Lead Frame AMPLA7030S-1R8MT 1.8 20 8.5 16 14 17 Lead Frame AMPLA7030S-2R0MT 2.0 20 8.2 15 16 19 Lead Frame AMPLA7030S-2R2MT 2.2 20 8.0 14 18 20 Lead Frame AMPLA7030S-2R5MT 2.5 20 7.0 13 20 22 Lead Frame AMPLA7030S-2R7MT 2.7 20 7.0 13 24 27 Lead Frame AMPLA7030S-3R3MT 3.3 20 6.0 13.5 28 30 Lead Frame AMPLA7030S-4R7MT 4.7 20 5.5 10 37 40 Lead Frame AMPLA7030S-5R6MT 5.6 20 5.0 9.0 43 48 Lead Frame AMPLA7030S-6R8MT 6.8 20 4.5 8.0 54 60 Lead Frame	AMPLA7030S-1R0MT	1.0	20	11	22	8.3	10	Lead Frame	
AMPLA7030S-1R8MT 1.8 20 8.5 16 14 17 Lead Frame AMPLA7030S-2R0MT 2.0 20 8.2 15 16 19 Lead Frame AMPLA7030S-2R2MT 2.2 20 8.0 14 18 20 Lead Frame AMPLA7030S-2R5MT 2.5 20 7.0 13 20 22 Lead Frame AMPLA7030S-2R7MT 2.7 20 7.0 13 24 27 Lead Frame AMPLA7030S-3R3MT 3.3 20 6.0 13.5 28 30 Lead Frame AMPLA7030S-4R7MT 4.7 20 5.5 10 37 40 Lead Frame AMPLA7030S-5R6MT 5.6 20 5.0 9.0 43 48 Lead Frame AMPLA7030S-6R8MT 6.8 20 4.5 8.0 54 60 Lead Frame AMPLA7030S-120MT 10 20 3.5 6.0 75 85 Lead Frame	AMPLA7030S-1R2MT	1.2	20	10	20	10	12	Lead Frame	
AMPLA7030S-2R0MT 2.0 20 8.2 15 16 19 Lead Frame AMPLA7030S-2R2MT 2.2 20 8.0 14 18 20 Lead Frame AMPLA7030S-2R5MT 2.5 20 7.0 13 20 22 Lead Frame AMPLA7030S-2R7MT 2.7 20 7.0 13 24 27 Lead Frame AMPLA7030S-3R3MT 3.3 20 6.0 13.5 28 30 Lead Frame AMPLA7030S-4R7MT 4.7 20 5.5 10 37 40 Lead Frame AMPLA7030S-5R6MT 5.6 20 5.0 9.0 43 48 Lead Frame AMPLA7030S-6R8MT 6.8 20 4.5 8.0 54 60 Lead Frame AMPLA7030S-8R2MT 8.2 20 4.0 7.5 64 68 Lead Frame AMPLA7030S-120MT 10 20 3.5 6.0 75 85 Lead Frame	AMPLA7030S-1R5MT	1.5	20	9.0	18	13	15	Lead Frame	
AMPLA7030S-2R2MT 2.2 20 8.0 14 18 20 Lead Frame AMPLA7030S-2R5MT 2.5 20 7.0 13 20 22 Lead Frame AMPLA7030S-2R7MT 2.7 20 7.0 13 24 27 Lead Frame AMPLA7030S-3R3MT 3.3 20 6.0 13.5 28 30 Lead Frame AMPLA7030S-4R7MT 4.7 20 5.5 10 37 40 Lead Frame AMPLA7030S-5R6MT 5.6 20 5.0 9.0 43 48 Lead Frame AMPLA7030S-6R8MT 6.8 20 4.5 8.0 54 60 Lead Frame AMPLA7030S-8R2MT 8.2 20 4.0 7.5 64 68 Lead Frame AMPLA7030S-100MT 10 20 3.5 6.0 75 85 Lead Frame AMPLA7030S-150MT 15 20 3.0 4.0 107 123 Lead Frame <tr< td=""><td>AMPLA7030S-1R8MT</td><td>1.8</td><td>20</td><td>8.5</td><td>16</td><td>14</td><td>17</td><td>Lead Frame</td></tr<>	AMPLA7030S-1R8MT	1.8	20	8.5	16	14	17	Lead Frame	
AMPLA7030S-2R5MT 2.5 20 7.0 13 20 22 Lead Frame AMPLA7030S-2R7MT 2.7 20 7.0 13 24 27 Lead Frame AMPLA7030S-3R3MT 3.3 20 6.0 13.5 28 30 Lead Frame AMPLA7030S-4R7MT 4.7 20 5.5 10 37 40 Lead Frame AMPLA7030S-5R6MT 5.6 20 5.0 9.0 43 48 Lead Frame AMPLA7030S-6R8MT 6.8 20 4.5 8.0 54 60 Lead Frame AMPLA7030S-8R2MT 8.2 20 4.0 7.5 64 68 Lead Frame AMPLA7030S-100MT 10 20 3.5 6.0 75 85 Lead Frame AMPLA7030S-150MT 12 20 3.0 4.0 107 123 Lead Frame AMPLA7030S-180MT 18 20 2.5 4.0 140 160 Lead Frame <	AMPLA7030S-2R0MT	2.0	20	8.2	15	16	19	Lead Frame	
AMPLA7030S-2R7MT 2.7 20 7.0 13 24 27 Lead Frame AMPLA7030S-3R3MT 3.3 20 6.0 13.5 28 30 Lead Frame AMPLA7030S-4R7MT 4.7 20 5.5 10 37 40 Lead Frame AMPLA7030S-5R6MT 5.6 20 5.0 9.0 43 48 Lead Frame AMPLA7030S-6R8MT 6.8 20 4.5 8.0 54 60 Lead Frame AMPLA7030S-8R2MT 8.2 20 4.0 7.5 64 68 Lead Frame AMPLA7030S-100MT 10 20 3.5 6.0 75 85 Lead Frame AMPLA7030S-120MT 12 20 3.3 5.5 81 93 Lead Frame AMPLA7030S-150MT 15 20 3.0 4.0 107 123 Lead Frame AMPLA7030S-220MT 18 20 2.5 4.0 140 160 Lead Frame <td>AMPLA7030S-2R2MT</td> <td>2.2</td> <td>20</td> <td>8.0</td> <td>14</td> <td>18</td> <td>20</td> <td>Lead Frame</td>	AMPLA7030S-2R2MT	2.2	20	8.0	14	18	20	Lead Frame	
AMPLA7030S-3R3MT 3.3 20 6.0 13.5 28 30 Lead Frame AMPLA7030S-4R7MT 4.7 20 5.5 10 37 40 Lead Frame AMPLA7030S-5R6MT 5.6 20 5.0 9.0 43 48 Lead Frame AMPLA7030S-6R8MT 6.8 20 4.5 8.0 54 60 Lead Frame AMPLA7030S-8R2MT 8.2 20 4.0 7.5 64 68 Lead Frame AMPLA7030S-100MT 10 20 3.5 6.0 75 85 Lead Frame AMPLA7030S-120MT 12 20 3.3 5.5 81 93 Lead Frame AMPLA7030S-150MT 15 20 3.0 4.0 107 123 Lead Frame AMPLA7030S-180MT 18 20 2.5 4.0 140 160 Lead Frame AMPLA7030S-220MT 22 20 2.0 3.5 165 190 Lead Frame	AMPLA7030S-2R5MT	2.5	20	7.0	13	20	22	Lead Frame	
AMPLA7030S-4R7MT 4.7 20 5.5 10 37 40 Lead Frame AMPLA7030S-5R6MT 5.6 20 5.0 9.0 43 48 Lead Frame AMPLA7030S-6R8MT 6.8 20 4.5 8.0 54 60 Lead Frame AMPLA7030S-8R2MT 8.2 20 4.0 7.5 64 68 Lead Frame AMPLA7030S-100MT 10 20 3.5 6.0 75 85 Lead Frame AMPLA7030S-120MT 12 20 3.3 5.5 81 93 Lead Frame AMPLA7030S-150MT 15 20 3.0 4.0 107 123 Lead Frame AMPLA7030S-180MT 18 20 2.5 4.0 140 160 Lead Frame AMPLA7030S-220MT 22 20 2.0 3.5 165 190 Lead Frame	AMPLA7030S-2R7MT	2.7	20	7.0	13	24	27	Lead Frame	
AMPLA7030S-5R6MT 5.6 20 5.0 9.0 43 48 Lead Frame AMPLA7030S-6R8MT 6.8 20 4.5 8.0 54 60 Lead Frame AMPLA7030S-8R2MT 8.2 20 4.0 7.5 64 68 Lead Frame AMPLA7030S-100MT 10 20 3.5 6.0 75 85 Lead Frame AMPLA7030S-120MT 12 20 3.3 5.5 81 93 Lead Frame AMPLA7030S-150MT 15 20 3.0 4.0 107 123 Lead Frame AMPLA7030S-180MT 18 20 2.5 4.0 140 160 Lead Frame AMPLA7030S-220MT 22 20 2.0 3.5 165 190 Lead Frame	AMPLA7030S-3R3MT	3.3	20	6.0	13.5	28	30	Lead Frame	
AMPLA7030S-6R8MT 6.8 20 4.5 8.0 54 60 Lead Frame AMPLA7030S-8R2MT 8.2 20 4.0 7.5 64 68 Lead Frame AMPLA7030S-100MT 10 20 3.5 6.0 75 85 Lead Frame AMPLA7030S-120MT 12 20 3.3 5.5 81 93 Lead Frame AMPLA7030S-150MT 15 20 3.0 4.0 107 123 Lead Frame AMPLA7030S-180MT 18 20 2.5 4.0 140 160 Lead Frame AMPLA7030S-220MT 22 20 2.0 3.5 165 190 Lead Frame	AMPLA7030S-4R7MT	4.7	20	5.5	10	37	40	Lead Frame	
AMPLA7030S-8R2MT 8.2 20 4.0 7.5 64 68 Lead Frame AMPLA7030S-100MT 10 20 3.5 6.0 75 85 Lead Frame AMPLA7030S-120MT 12 20 3.3 5.5 81 93 Lead Frame AMPLA7030S-150MT 15 20 3.0 4.0 107 123 Lead Frame AMPLA7030S-180MT 18 20 2.5 4.0 140 160 Lead Frame AMPLA7030S-220MT 22 20 2.0 3.5 165 190 Lead Frame	AMPLA7030S-5R6MT	5.6	20	5.0	9.0	43	48	Lead Frame	
AMPLA7030S-100MT 10 20 3.5 6.0 75 85 Lead Frame AMPLA7030S-120MT 12 20 3.3 5.5 81 93 Lead Frame AMPLA7030S-150MT 15 20 3.0 4.0 107 123 Lead Frame AMPLA7030S-180MT 18 20 2.5 4.0 140 160 Lead Frame AMPLA7030S-220MT 22 20 2.0 3.5 165 190 Lead Frame	AMPLA7030S-6R8MT	6.8	20	4.5	8.0	54	60	Lead Frame	
AMPLA7030S-120MT 12 20 3.3 5.5 81 93 Lead Frame AMPLA7030S-150MT 15 20 3.0 4.0 107 123 Lead Frame AMPLA7030S-180MT 18 20 2.5 4.0 140 160 Lead Frame AMPLA7030S-220MT 22 20 2.0 3.5 165 190 Lead Frame	AMPLA7030S-8R2MT	8.2	20	4.0	7.5	64	68	Lead Frame	
AMPLA7030S-150MT 15 20 3.0 4.0 107 123 Lead Frame AMPLA7030S-180MT 18 20 2.5 4.0 140 160 Lead Frame AMPLA7030S-220MT 22 20 2.0 3.5 165 190 Lead Frame	AMPLA7030S-100MT	10	20	3.5	6.0	75	85	Lead Frame	
AMPLA7030S-180MT 18 20 2.5 4.0 140 160 Lead Frame AMPLA7030S-220MT 22 20 2.0 3.5 165 190 Lead Frame	AMPLA7030S-120MT	12	20	3.3	5.5	81	93	Lead Frame	
AMPLA7030S-220MT 22 20 2.0 3.5 165 190 Lead Frame	AMPLA7030S-150MT	15	20	3.0	4.0	107	123	Lead Frame	
	AMPLA7030S-180MT	18	20	2.5	4.0	140	160	Lead Frame	
AMPLA7030S-330MT 33 20 2.0 2.5 200 240 Lead Frame	AMPLA7030S-220MT	22	20	2.0	3.5	165	190	Lead Frame	
	AMPLA7030S-330MT	33	20	2.0	2.5	200	240	Lead Frame	
AMPLA7030S-470MT 47 20 1.75 2.0 302 363 Lead Frame	AMPLA7030S-470MT	47	20	1.75	2.0	302	363	Lead Frame	

^{*} Please refer to Part Identification section

Test Conditions

Inductance: 100 kHz, 1 V, 0 Adc Humidity Range: 85 ± 2% RH

Temperature Rise Current: Current measured at Δ T of 40°C Saturation Current: Current measured at Δ L of 30%

ABRACON.

GENERAL

SPECIFICATIONS Operating Temperature:

-55°C to +125°C with (40°C rise) Irms current.

Maximum Part Temperature: +125°C **Components Storage Temperature:**

-55°C to +125°C

Tape and Reel Packaging Temperature: -55°C to +80°C

MSL: Level 1

Not recommended for D.I. water

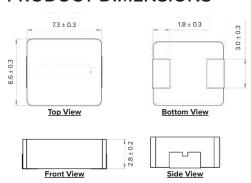
wash

MATERIALS

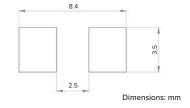
Core: Carbonyl Powder

Wire: Copper Terminal: Tin Plating Black Ink: Paint: Gray

PRODUCT DIMENSIONS



RECOMMENDED LANDING PATTERN





PART BUILDER



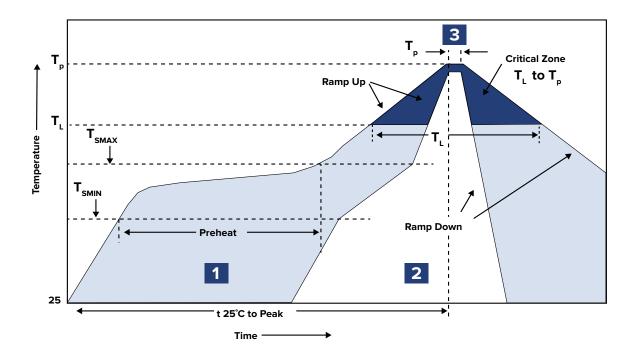
1. Tolerance: M = 20%

N = 30%

2. Packaging: B = Bulk

T = Tape and Reel (1,000pcs/reel)

RECOMMENDED REFLOW PROFILE



ZONE	DESCRIPTION	TEMPERATURE	TIMES
1	Preheat	T _{smin} ~ T _{smax} 150°C ~ 200°C	60 [~] 180 sec.
2	Reflow	T _L 217°C	60 ~ 150 sec.
3	Peak Heat	T _₽ 260°C	10 sec. MAX



^{*}Refer to Electrical Specification table

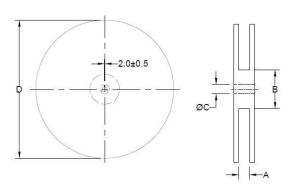


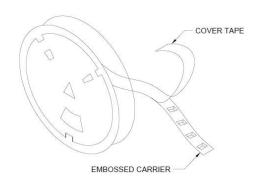
PACKAGING

Tape and Reel: 1,000 Units per Carton: 8,000 T&R per Carton: 8 Weight per Carton: 11.1 kg

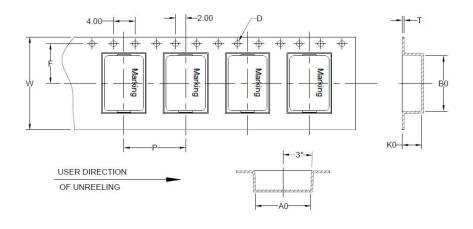
Weight per Unit: 0.75 g

Carton Dimensions: 410 x 325 x 415 mm





TYPE	А	В	С	D
13" x 16 mm	16.4 +2/-0	100 ± 2.0	13.0 +0.5/-0.2	330



B _o	A_{o}	K _o	Р	W	F	T	D
7.7 ± 0.1	7.0 ± 0.1	3.3 ± 0.1	12.0 ± 0.1	16.0 ± 0.3	7.5 ± 0.1	0.35 ± 0.05	1.5 ± 0.1

Dimensions: mm

This product is commercial off-the-shelf (COTS) and not specifically designed for automotive, military, aviation, aerospace, implantable, life-dependent medical or safety applications. This product is not recommended for use in any application requiring high reliability in which component failure could result in loss of life and/or property damage without prior written approval from Abracon. Specifications are subject to change without notice. Contact Abracon for more information.



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