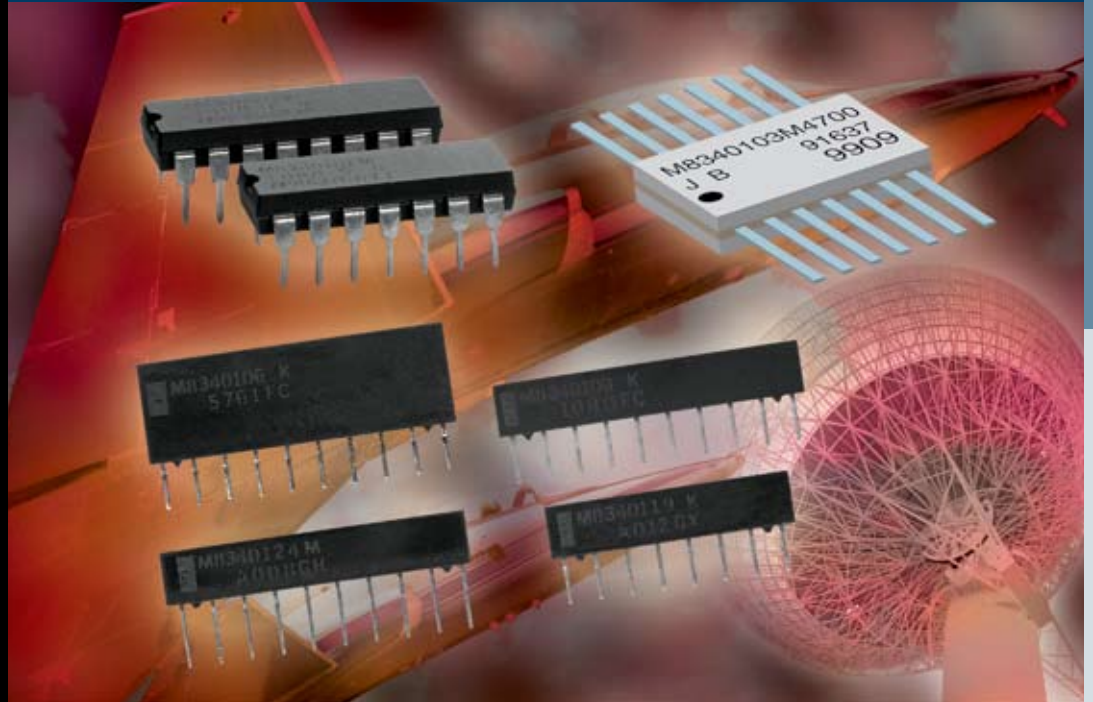




VISHAY INTERTECHNOLOGY, INC.



## MILITARY NETWORKS

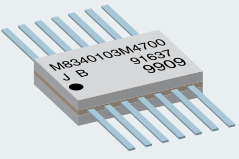
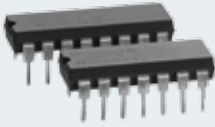
MIL-PRF-83401



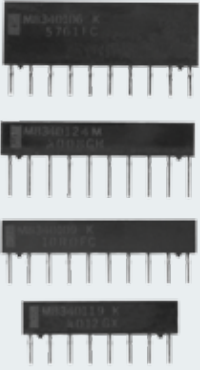
# Military Networks

## Key Features

- A wide range of power ratings (0.325 W to 1.8 W)
- A wide resistance range (10 Ω to 1 MΩ)
- Low/high temperature performance (– 55 °C to + 125 °C)
- Tight tolerances (down to ± 1 %)
- Constructed using thick film resistive elements
- MIL-PRF-83401 qualified
- 100 % screen tested per group A
- Hot-solder dipped
- Isolated, bussed, or dual-terminator

Model	Product	Wattage Rating	Resistance Range	Tolerance	Part Number Definition																																																										
<b>Non-Established Reliability</b>																																																															
<b>MIL-PRF-83401</b> 	DFM1411 DFM1412	0.350 0.325	10 Ω - 1 MΩ 10 Ω - 1 MΩ	± 2 % standard, ± 1 % and ± 5 % available	M8340103 M 6801 G A M8340103 M 6801 G B M8340103 K A001* G J 1 2 3 4 5 1. Detail specification number 2. Characteristic M = ± 300 ppm/°C K = ± 100 ppm/°C 3. Resistance Value * values per MIL-PRF-83401 codes Contact factory for stocked values 4. Tolerance 5. Schematic A = 11 B = 12 J = 15																																																										
	DFM1415	0.350	<b>J (15) Schematic</b> <table border="1"> <thead> <tr> <th>Code</th> <th>R1</th> <th>R2</th> </tr> </thead> <tbody> <tr><td>A001</td><td>82</td><td>130</td></tr> <tr><td>A002</td><td>120</td><td>200</td></tr> <tr><td>A003</td><td>130</td><td>210</td></tr> <tr><td>A004</td><td>160</td><td>260</td></tr> <tr><td>A005</td><td>180</td><td>240</td></tr> <tr><td>A006</td><td>180</td><td>390</td></tr> <tr><td>A007</td><td>220</td><td>270</td></tr> <tr><td>A008</td><td>220</td><td>330</td></tr> <tr><td>A009</td><td>330</td><td>390</td></tr> <tr><td>A010</td><td>330</td><td>470</td></tr> <tr><td>A011</td><td>330</td><td>680</td></tr> <tr><td>A012</td><td>1.5 K</td><td>3.3 K</td></tr> <tr><td>A013</td><td>3K</td><td>6.2 K</td></tr> <tr><td>A014</td><td>180</td><td>270</td></tr> <tr><td>A015</td><td>270</td><td>270</td></tr> <tr><td>A016</td><td>560</td><td>560</td></tr> <tr><td>A017</td><td>560</td><td>1.2 K</td></tr> <tr><td>A018</td><td>620</td><td>2.7 K</td></tr> </tbody> </table>			Code	R1	R2	A001	82	130	A002	120	200	A003	130	210	A004	160	260	A005	180	240	A006	180	390	A007	220	270	A008	220	330	A009	330	390	A010	330	470	A011	330	680	A012	1.5 K	3.3 K	A013	3K	6.2 K	A014	180	270	A015	270	270	A016	560	560	A017	560	1.2 K	A018	620	2.7 K	
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<b>MIL-PRF-83401</b> 	MDM14 01 MDM14 03 MDM16 01 MDM16 03	1.30 1.40 1.50 1.60	10 Ω - 1 MΩ 10 Ω - 1 MΩ 10 Ω - 1 MΩ 10 Ω - 1 MΩ	± 2 % standard, ± 1 % and ± 5 % available	M8340101 M 2201 G A M8340102 M 4701 G B M8340101 K A001* G J 1 2 3 4 5 1. Detail specification number M8340101 = 14-Pin M8340102 = 16-Pin 2. Characteristic M = ± 300 ppm/°C K = ± 100 ppm/°C 3. Resistance value Values per MIL-PRF-83401 codes Contact factory for stocked values 4. Tolerance 5. Schematic A = 01 B = 03 J = 05																																																										
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Model	Product	Wattage Rating	Resistance Range	Tolerance	Part Number Definition	
<b>Non-Established Reliability</b>						
	M8340101	0.60	10 Ω - 1 MΩ	± 2 % standard, ± 1 % and ± 5 % available	M8340107 K 1003 G C	
	M8340102	0.84	10 Ω - 1 MΩ		M8340104 K 1003 G G	
	M8340103	1.08	10 Ω - 1 MΩ		M8340107 <u>K</u> <u>A001*</u> <u>G</u> <u>H</u>	
	M8340104	0.36	10 Ω - 1 MΩ		1 2 3 4 5	
	M8340105	0.48	10 Ω - 1 MΩ		1. Detail specification number	
	M8340106	0.60	10 Ω - 1 MΩ		“A” Profile “C” Profile	
	M8340107	1.00	10 Ω - 1 MΩ		M8340107 = 6-Pin M8340104 = 6-Pin	
	M8340108	1.40	10 Ω - 1 MΩ		M8340108 = 8-Pin M8340105 = 8-Pin	
	M8340109	1.80	10 Ω - 1 MΩ		M8340109 = 10-Pin M8340106 = 10-Pin	
	M8340110	0.60	10 Ω - 1 MΩ		M8340112 = 10-Pin, long lead	
	M8340111	0.80	10 Ω - 1 MΩ		2. Characteristic	
	M8340112	1.00	10 Ω - 1 MΩ		M = ± 300 ppm/°C	
					H (05) Schematic	K = ± 100 ppm/°C
					Code R1 R2	3. Resistance value
	M8340113	0.60	A001 82 130		Values per MIL-PRF-83401 codes	
	M8340114	0.84	A002 120 200		Contact factory for stocked values	
	M8340115	1.08	A003 130 210		4. Tolerance	
	M8340116	0.88	A004 160 260		5. Schematic	
	M8340117	1.32	A005 180 240		C = 01	
	M8340118	1.80	A006 180 390		G = 03	
M8340119		A007 220 270	H = 05			
M8340120		A008 220 330	Note: M8340118 = 6 Pin,			
M8340121		A009 330 390	M8340119 = 8 Pin also available			
M8340122		A010 330 470				
M8340123		A011 330 680				
M8340124		A012 1.5 K 3.3 K				
M8340125		A013 3 K 6.2 K				
M8340126		A014 180 270				
M8340127		A015 270 270				
M8340128		A016 560 560				
M8340129		A017 560 1.2 K				
M8340130		A018 620 2.7 K				



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