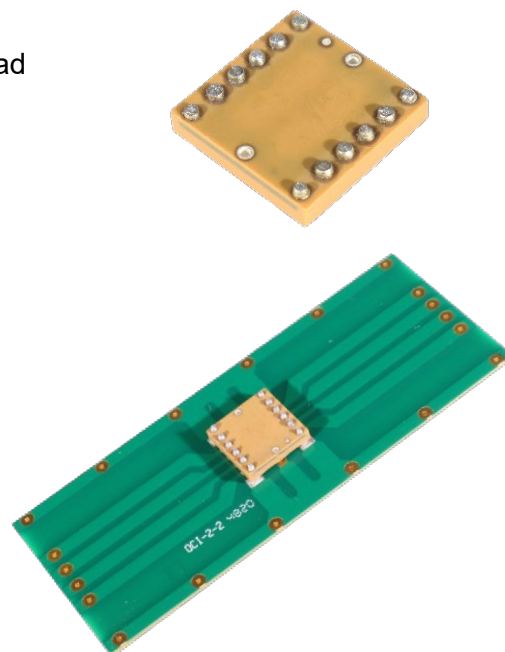


Integrated surface mount package with exceptional EMI protection of signal and power lines.

Features

- Provide EMI filtered signal lines between system modules
- Reduce or eliminate the need to assemble filters at bulkhead
- Economical method to meet EMC requirements
- Improve reliability, every filter is 100% tested for key parameters
- Superior performance to chip level solutions
- Easy connection and installation
- Peak temperature +260°C for IR and FC reflow systems



Applications

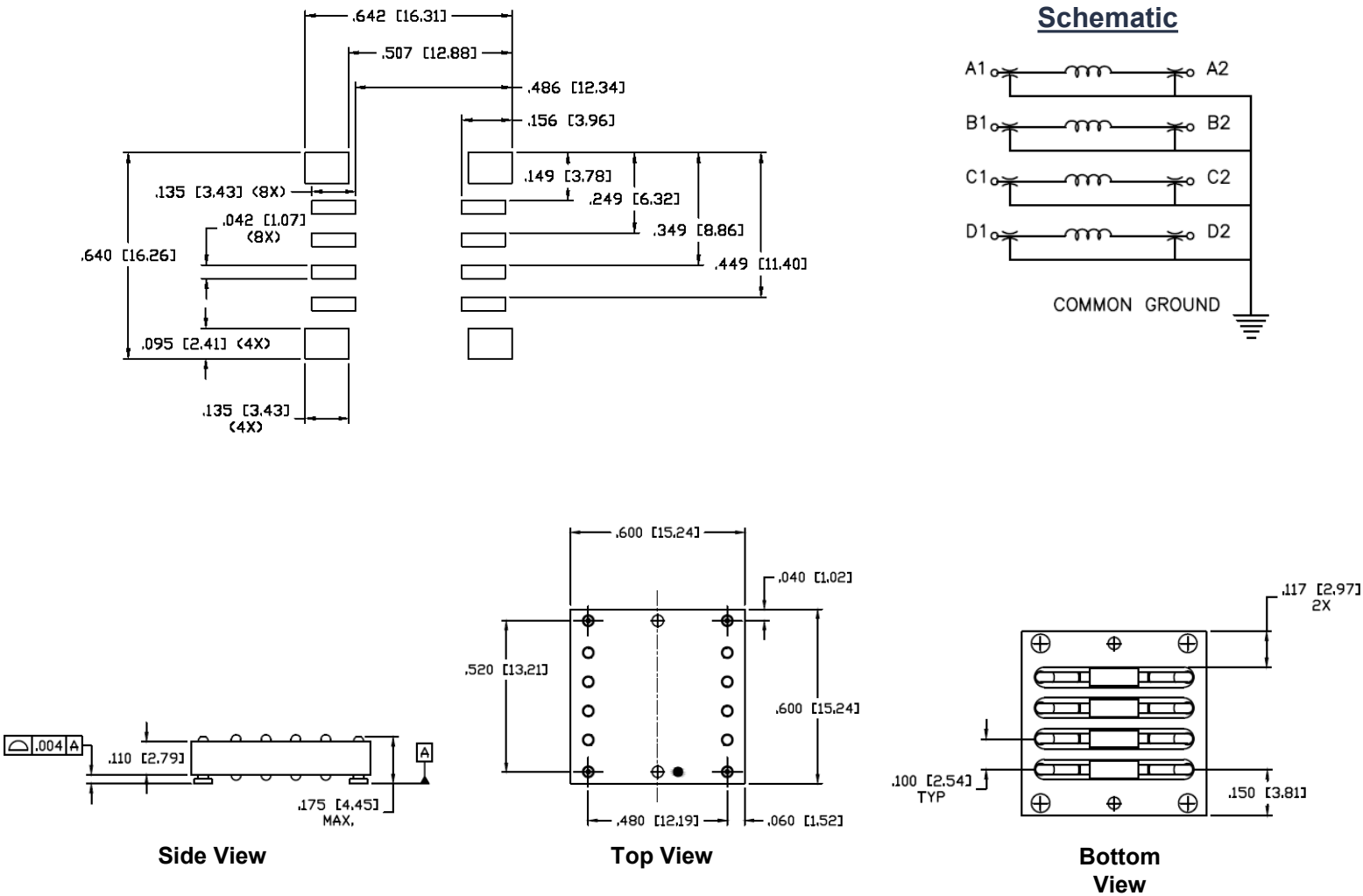
- Telecommunication equipment
- Military and defense applications
- Industrial control panels
- Measuring and testing instruments
- Medical equipment

Part Number	Filter Circuits	Suggested Capacitance		3dB Max. Cut-Off Frequency (MHz)	Working Voltage DC -55°C to +125°C	Minimum Insertion Loss - Decibels (dB) 50 ohm System per MIL-STD-220 (no load)									
		Value	Tolerance			500 KHz	1 MHz	5 MHz	10 MHz	30 MHz	50 MHz	100 MHz	300 MHz	500 MHz	1 GHz
MSM1-101M-10	Pi	100pF	± 20%	32	200V	-	-	-	-	-	-	3	12	18	25
MSM1-471M-10		470pF	± 20%	10.8	200V	-	-	-	-	4	8	15	30	30	25
MSM1-102M-10		1000pF	± 20%	5.4	200V	-	-	-	2	10	17	28	30	30	25
MSM1-252P-10		2500pF	+100/-0%	1.3	200V	-	-	4	9	22	32	40	30	30	25
MSM1-402P-10		4000pF	+100/-0%	0.8	200V	-	-	7	12	30	40	46	30	30	25
MSM1-802P-10		8000pF	+100/-0%	0.4	200V	-	-	11	19	42	50	47	30	30	25
MSM1-253P-10		25nF	+100/-0%	0.26	200V	4	9	22	40	60	60	60	30	30	25
MSM1-503P-10		50nF	+100/-0%	0.13	200V	9	14	35	53	60	60	60	30	30	25
MSM1-104P-10		0.1µF	+100/-0%	0.03	200V	14	18	45	60	60	60	60	30	30	25

Notes

- Current Rating: 10 amps per line
- Terminations: silver plated
- Other capacitance values available

Recommended PCB Layout



*Dimensions in inches