DWG. NO. 83119050

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REVISIONS				
REV	DESCRIPTION	DATE	APPROVED	

	SIGN/DATE	M 6370		M :	CV Technologies Inc. Lusk Blvd., San Diego CA 92121		
Unless otherwise specified all dimensions are in inches.	DRAWN:	"					
Tolerances are: inch [mm] .XX = ±0.020 [0.254] .XXX= ±0.010 [0.508]	СНК:	BANDPASS FILTER BP33R3189S60A					
Material: FR4/Nickel	ENGR.	SIZE	CAGE CO				REV
· · · · · · · · · · · · · · · · · · ·	Q.A.	A	1WTM	16	83119050		
Finish: Tin/Nickel	α.Λ.	SCAL	E NONE	FILE	E: 83119050-13	SHEE	T 1-3

1.0 Electrical Specifications

No.	Characteristi	CS	Unit	Typical	Minimum	Maximum
1.1	Center Frequ	uency	Mhz	3188.94		
1.2	0.5 dB Bandwidth		From 3159 to 3219 Mhz			
1.3	Insertion Loss from 3159 to 3219 Mhz		dB			3.0
1.4	Return loss from 3159 to 3219 MHz		dB		15	
1.5	Group delay ripple pk-pk at 3189 ± 23 MHz		ns			4
1.6	Amplitude ripple		dB			0.25
	Attenuation	At 350 MHz	dBc		30	
		At 1770 MHz	dBc		35	
		At 3398±25 MHz	dBc		10	
1.7		At 3538 MHz	dBc		30	
1.7		At 3678 ± 25 MHz	dBc		10	
		At 3889 ± 25 MHz	dBc		30	
		At 5.31 to 8.85 GHz	dBc		30	
		At 10.6 GHz	dBc		40	
1.8	In/Out Impedance		Ohms	50		
1.9	Maximum input power (Average)		Watts			2
1.10	Maximum in	out power (Peak)	Watts			20

2.0 Environmental Specifications

2.1	Temperature range (operating)	-55°C to +85°C		
2.2	Temperature range (non-operating)	-55°C to +100°C		
2.3	Vibration	5 G's max.		
2.4	Shock	15 G's max.		
2.5	Humidity, relative (Non-condensing)	0-99%		

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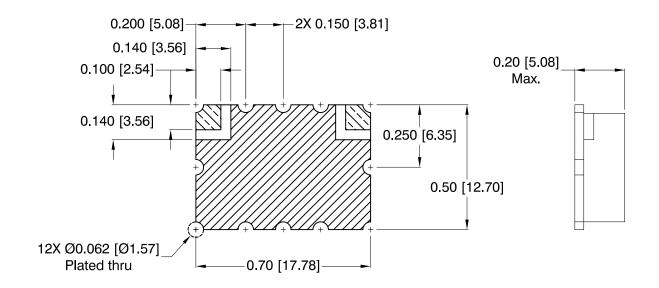
MCV Technologies., Inc. 6370 Lusk Blvd. San Diego CA 92121 Tel. (858) 552-2008 Fax. (858) 552-2005 sales@mcvtech.com www.mcvtech.com MODEL: BP33R3189S60A

 SIZE
 CAGE CODE
 DWG NO.
 REV

 A
 1WTM6
 83119050

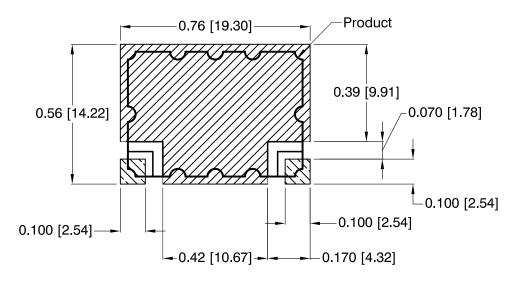
SCALE NONE FILE: 83119050-23 SHEET 2-3

3.0 Mechanical Specifications



- SOLDER MASK SR100 (NO METAL)
- GROUND
- INPUT/OUTPUT

4.0 Suggested layout for installation



Material: FR4/Nickel Finish: Tin/Nickel Unless otherwise noted Tol. are: inch [mm] .XX ± 0.020 [0.508] .XXX ± 0.010 [0.254]

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MCV Technologies., Inc. 6370 Lusk Blvd. San Diego CA 92121 MODEL: BP33R3189S60A

DWG NO. SIZE CAGE CODE REV 1WTM6 83119050 SCALE NONE FILE: 83119050-33 SHEET 3-3



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