

6SFB-00015

Features:

- Custom Package
- Phase Matched
- Phase Tracked
- 40 dB Stopbands
- 0.5 – 2 GHz



Specifications:

Parameters	Channel 1			Channel 2			Channel 3			Channel 4			Channel 5			Attenuated Path		
Channel Select	B2 0	B1 0	B0 1	B2 0	B1 1	B0 0	B2 0	B1 1	B0 1	B2 1	B1 0	B0 0	B2 1	B1 0	B0 1	B2 1	B1 1	B0 1
Passband Frequencies (MHz)	500 - 732			730 - 1164			1162 - 1534			1532 - 1850			1848 - 2000			500 - 2000		
	TEMP °C			TEMP °C			TEMP °C			TEMP °C			TEMP °C					
Maximum Passband Insertion Loss	-55	+25	+85	-55	+25	+85	-55	+25	+85	-55	+25	+85	-55	+25	+85			
	5.0 dB	J1																
	5.5 dB	J2																
	5.5 dB	J3																
Attenuation of Attenuated path 27 to 33 dBc																		
Input Return Loss 9.54 dB Min																		
Output Return Loss 9.54 dB Min																		
Input Return Loss Off State	7.4 dB	J1																
	7.4 dB	J3																
Phase Matching ±20°																		
Phase Tracking ±7°																		
Low Side 20 dB Rejection	465 MHz			675 MHz			1075 MHz			1420 MHz			1710 MHz					
High Side 20 dB Rejection	790 MHz			1255 MHz			1655 MHz			2000 MHz			2160 MHz					
Low Side 40 dB Ultimate Rejection	45 - 365 MHz			45 - 585 MHz			45 - 770 MHz			45 - 925 MHz			45 - 1000 MHz					
High Side 30 dB Ultimate Rejection	1000 - 4000 MHz			1460 - 4000 MHz			2320 - 4000 MHz			3060 - 4000 MHz			3700 - 4000 MHz					

NOTE: Unless otherwise stated, return loss and rejection measurements recorded with J2 connected to J4.



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Switch RF/BIIT Isolation	500 - 2000 MHz	State	B2	B1	B0
J1 to J2 with J1 to J4 Selected 43 dB Min.		All Off (Power Down)	0	0	0
		Channel 1	0	0	1
		Channel 2	0	1	0
		Channel 3	0	1	1
		Channel 4	1	0	0
Supply Current		Channel 5	1	0	1
+5V 120 mA Max.		Not Defined	1	1	0
-15V 25 mA Max.		Attenuated Path	1	1	1
Supply Current Sleep State					
+5V 10 mA Max.					
-15V 10 mA Max.					

State	B4	B3
All Off	0	0
J1	0	1
J2	1	0
J3	1	1

Fundamental Frequency (F1)	2nd Order Intermodulation Frequency (F2)	3rd Order Intermodulation Frequency (F3)	BPF 1		Switched Filter Channel Selection	BPF 2		Distortion Product Power Measured at Spectrum Analyzer	Distortion Product Power Output of UUT -60dBm Max
			Pass F1	Reject F2 * ₂		Pass F2	Reject F1 * ₃		
			Power of F1 @ Input of UUT	Channel Gain @ F2		Loss @ F2	Loss @ F3		
581	1162	1743		10					
674	1348	2022		10					
766	1532	2298		10					
845.5	1691	2536.5		10					
924	1848	2772		10					
962	1924	2886		10					

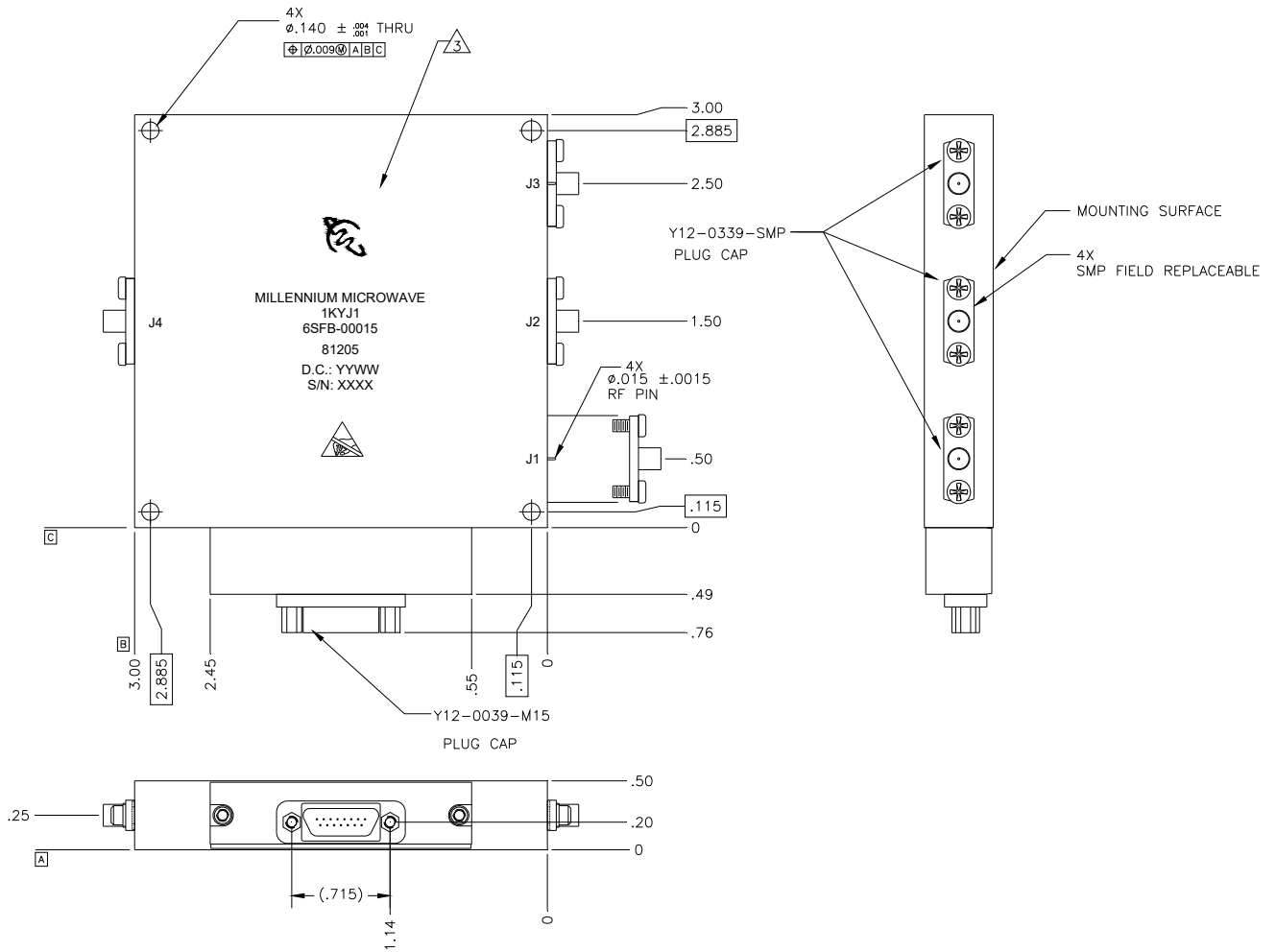


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➤ Outline Drawing:



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