



**SUMMARY TEST DATA
ON
6SFB-100M18G-1MP-MAH**

Customer: _____	Tested By: <u>R. COMBS</u>
SO No: _____	Temperature: <u>+25°C</u>
Model No: <u>6SFB-100M18G-1MP-MAH</u>	Date: <u>10/2/13</u>
Serial No: <u>PL14138/1346</u>	Drawing No: <u>27619661 Rev A1</u>

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	Frequency	100 MHz–18.0 GHz	100 MHz-18.0 GHz	
2	Gain	6 dB Typ.	13.7 to 21.6 dB	
3	Isolation J1, J6	100 dB	100 dB Typ	
4	Switching Speed	100 ns	100 ns	
5	J1 Input Frequency (Input from Backplane)	100 MHz-18.0 GHz	100 MHz-18.0 GHz	
6	J1 Input Power Level	-80 dBm to -10dBm	-80 to -10dBm	
7	J6 Input Frequency (Input from Transceiver)	100 MHz-18.0 GHz	100 MHz-18.0 GHz	
8	J6 Input Power Level	-52 dBm to -22dBm	-52 to -22dBm	
9	J3 Output Frequency (LO2 from Backplane)	100 MHz-18.0 GHz	100 MHz-18.0 GHz	
10	J3 Output Power Level	-74 dBm to -4dBm Typ.	-63 to +7dBm Typ	
11	Thru Channel Passband Frequency	100 MHz-18 GHz	100 MHz – 18 GHz	
12	Channel 1 Center Frequency	3400 MHz	3400 MHz	
13	Channel 1 (3 dB Bandwidth)	2000 MHz	2000 MHz	
14	Channel 1 Rejection	-40 dBc 100 MHz-2 GHz -40 dBc 4.8 GHz–8.5 GHz	>40 dBc Typ. 32 dBc Min	
15	Channel 2 Center Frequency	5400 MHz	5400 MHz	



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TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
16	Channel 2 (3 dB Bandwidth)	2000 MHz	2000 MHz	
17	Channel 2 Rejection	-40 dBc 100 MHz-4 GHz -40 dBc 6.8 GHz-13.5 GHz	>40 dBc Typ. 37 dBc Min	
18	Channel 3 Center Frequency	7400 MHz	7400 MHz	
19	Channel 3 dB Bandwidth	2000 MHz	2000 MHz	
20	Channel 3 Rejection	-40 dBc 100 MHz-6 GHz -40 dBc 8.8 GHz-18 GHz	>40 dBc Typ. 46 dBc Min	
21	Channel 4 Center Frequency	9400 MHz	9400 MHz	
22	Channel 4 (3 dB Bandwidth)	2000 MHz	2000 MHz	
23	Channel 4 Rejection	-40 dBc 100 MHz-8 GHz -40 dBc 10.8 GHz-18 GHz	>40 dBc Typ. 42 dBc Min	
24	Channel 5 Center Frequency	11400 MHz	11400 MHz	
25	Channel 5 (3 dB Bandwidth)	2000 MHz	2000 MHz	
26	Channel 5 Rejection	-40 dBc 100 MHz-10 GHz -40 dBc 12.8 GHz-18 GHz	>40 dBc Typ. 41 dBc Min	
27	Control Logic	3.3 V TTL	3.3 V TTL	
28	Power Supply	+12 V, -12 V, +5 V, +3.3V	340mA@ +5V 160mA@ +12V 186mA@ -12V 0mA@ +3.3V	

QA/QC Approval: _____ Date: _____