



## SUMMARY TEST DATA ON 6SFB-30M600M-CD-SFF

Customer: \_\_\_\_\_  
 SO No: \_\_\_\_\_  
 Model No: 6SFB-30M600M-CD-SFF  
 Serial No: PL47843/2434

Tested By: K. Wagaman  
 Temperature: 25°C  
 Date: 8/21/2024  
 Drawing No: 27636660 Rev: A1

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range	30 MHz to 600 MHz	30 MHz to 600 MHz	PMI QA4
2	Insertion Loss	4.0 dB Typ., 4.5 dB Max.	Channel 1: 2.1 dB Channel 2: 2.1 dB Channel 3: 2.1 dB Channel 4: 1.9 dB Channel 5: 2.3 dB Channel 6: 2.5 dB	
3	Rejection Lower	dBc 1: 60 @ 15 MHz, 40 @ 20 MHz 2: 60 @ 20 MHz, 40 @ 25 MHz 3: 60 @ 20-35 MHz, 40 @ 40 MHz 4: 60 @ 20-55 MHz, 40 @ 55-65 MHz 5: 60 @ 20-100 MHz, 40 @ 100-115 MHz 6: 60 @ 20-180 MHz, 40 @ 180-190 MHz	Channel 1: 61.8, 45 Channel 2: 63.4, 53.2 Channel 3: 64.7, 57.7 Channel 4: 68.4, 63.7 Channel 5: 64.2, 49.1 Channel 6: 62.9, 79.5	
4	Rejection Upper	dBc 1: 40 @ 60-70 MHz, 60 @ 70-800 MHz 2: 40 @ 90-110 MHz, 60 @ 110-800 MHz 3: 40 @ 140-160 MHz, 60 @ 160-800 MHz 4: 40 @ 200-220 MHz, 60 @ 220-1000 MHz 5: 40 @ 320-340 MHz, 60 @ 340-1500 MHz 6: 40 @ 550-570 MHz, 60 @ 570-1500 MHz	Channel 1: 48.1, 64.1 Channel 2: 44.9, 64.9 Channel 3: 58.9, 67 Channel 4: 49, 65.9 Channel 5: 45.6, 67.1 Channel 6: 42.6, 63.2	
5	VSWR: In/Out	1.5:1 Max.	Channel 1: 1.47:1 Channel 2: 1.41:1 Channel 3: 1.28:1 Channel 4: 1.33:1 Channel 5: 1.31:1 Channel 6: 1.45:1	
6	Isolation	40 dB Min	70.6 dB	
7	Input Power	1 W Max	Pass See Typical Characteristics	
8	Switching Speed	500 ns Typ.	Pass See Typical Characteristics	
9	DC Supply	+15VDC @ 300 mA Max -15VDC @ 50 mA Max	+15VDC @ 285 mA -15VDC @ 29 mA	PMI QA4

\*Note: dBc Rejection Referenced to Passband Center Frequency

QA/QC Approval: *Cameron Kelly*

Date: 8/21/24

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