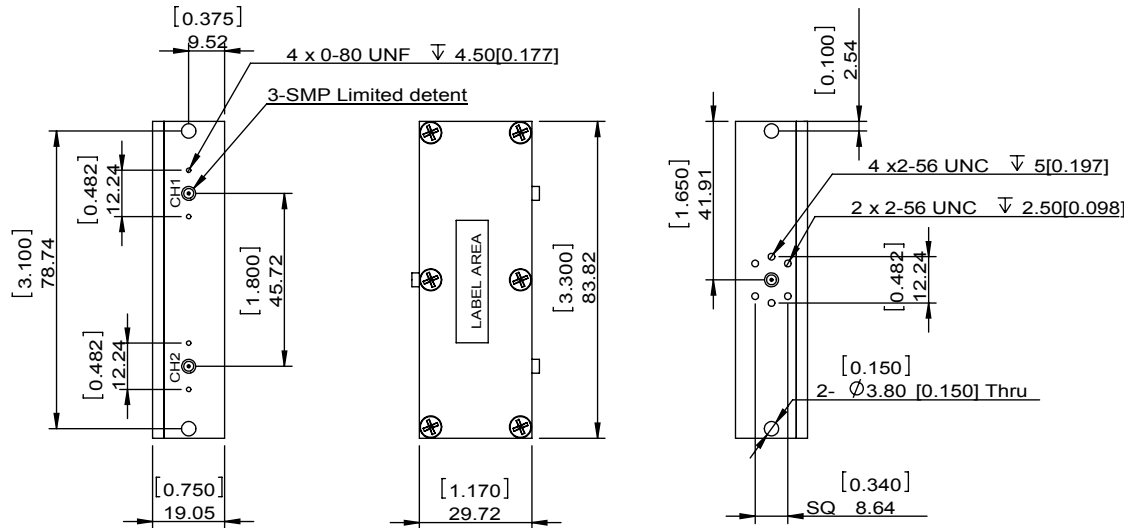


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Document No. QR4-700-T-003											
REV.		A/0									
								REV.		DESCRIPTION	
								REVISER		DATE	
								ZQ.Hou		12.23.2014	
								APPROVED		David	

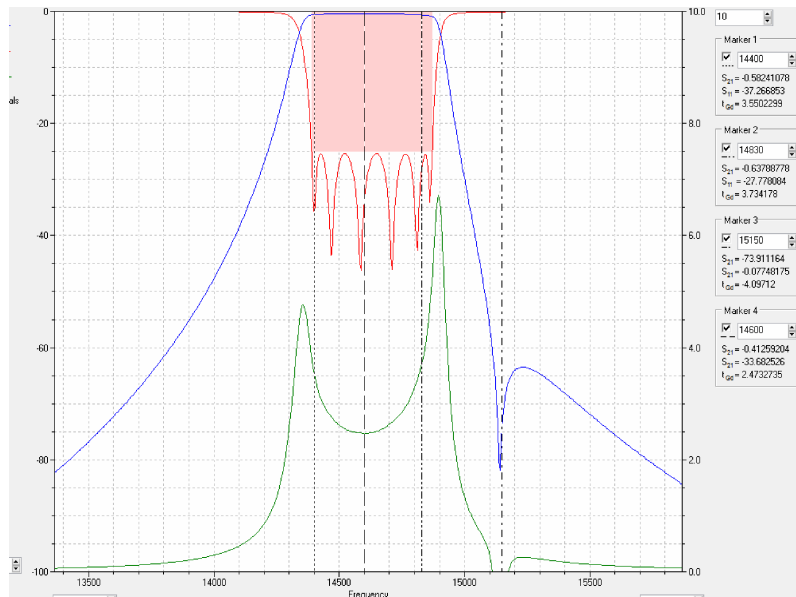
ITEM	SPECIFICATION	
	Channel 1	Channel 2
Frequency(GHz)	14.4~14.83	15.15~15.35
Insertion Loss(dB)	1.1 Max	
Ripple(dB)	0.3 p.t.p Max	
Reject(dBc)	15 typ@14.99Ghz 30 Min@13~14Ghz 60Min@15.15~15.35Ghz 50 Min@25.0~40.0Ghz	15 typ@14.99Ghz 30 Min@16~16.5Ghz 60Min@14.4~14.83Ghz 50 Min@25.0~40.0Ghz
Return Loss(dB)	14Min	
Impedance(Ω)	50	
Power handling(W)	25 Min	
Group Delay Variation	1.5nSec p.t.p Max(Within any 100MHz band)	
Shock	20G 11msec sawtooth	
Vibration operational	8Grms(10~2000Hz)	
Vibration endurance	18Grms(10~2000Hz)	
Temperature(°C)	-40~+85	
Connector	SMP male	
Notes	1.The diplexer will be designed to handle an operating power of 25W max. @ 50,000 Feet. 2.ATR will be attached to each unit 3.The channels will be labelled as indicated at the drawing attached 4.Each unit will be labelled with model & serial No.	



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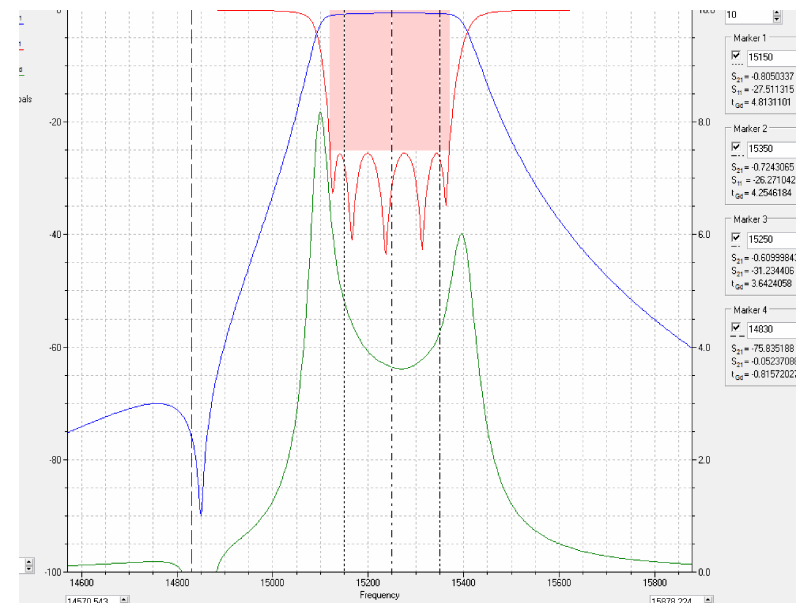
JQL JQL Electronic Inc			
MATERIAL:		DWG NO:	
		JFCD14400T15350SF	
SURFACE TREATMENT:		DWG BY:	
SLIVER PALTE		zqhou	
		12.23.2014	
DESCRIPTION:		CHK'D BY:	
DIPLEXER			
		APPV'D BY:	
Unit:		Tolerance:	
mm[inch]		Liner: ±0.1mm	
		Anguar: ±0.5°	
		The First:	
		SCALE	
		1:2	
		A4	

A



B

C



D

ITEM	SPECIFICATIIONS		Maker Proposal Specification
	Channel 1	Channel 2	
Frequency(GHz)	14.4~14.83	15.15~15.35	ok
Insetion Loss(dB)	1.1 Max		ok
Ripple(dB)	0.3 p.t.p Max		ok
Reject(dBc)	15 typ@14.99Ghz 30 Min@13~14Ghz 60Min@15.15~15.35Ghz 50 Min@25.0~40.0Ghz	15 typ@14.99Ghz 30 Min@16~16.5Ghz 60Min@14.4~14.83Ghz 50 Min@25.0~40.0Ghz	ok
Return Loss(dB)	14Min		ok
Impedance(Ω)	50		ok
Power handling(W)	25 Min		ok
Group Delay Variation	1.5nSec p.t.p Max(Within any 100MHz band)		ok
Shock	20G 11msec sawtooth		ok
Vibration operational Vibration endurance	8Grms(10~2000Hz) 18Grms(10~2000Hz)		ok
Temperature(°C)	-40~+85		ok
Connector	SMP male		ok
Notes	1.The diplexer will be designed to handle an operating power of 25W max. @ 50,000 Feet. 2.ATR will be attached to each unit 3.The channels will be labelled as indicated at the drawing attached 4.Each unit will be labelled with model & serial No.		ok

A

B

C

D



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JQL JQL Electronic Inc

MATERIAL:	DWG NO: JFCD14400T15350SF			
SURFACE TREATMENT: SLIVER PALTE	DWG BY:	zqhou	12.23.2014	SCALE
	CHK'D BY:			1:2
DESCRIPTION: DIPLEXER	APPV'D BY:			
	Unit: mm[inch]	Tolerance: Liner: ±0.1mm Anguar: ±0.5°	The First:	A4