

APPENDIX RDX100C-SPEC

High Power Diplexer

RDX100C

Electrical Specification

Parameter	Symbol	Typical	Units
Bandwidth	B1	20~116	MHz
	B2	142~500	MHz
Maximum working Load VSWR		4.0:1	
Insertion Loss	IL	1.0 @ B1	dB
	IL	1.0 @ B2	dB
Input VSWR,	VSWR	2.0:1	
Output VSWR	VSWR	2.0:1	
Minimum Isolation Between Input port	ISO	17	dB
Power Handling Capability for each port	P _n	130	W
Connector Type		N-female	
Size (w/o Connector Extension)		100x90x25	mm
Peak Power Handling Capability	P _{in}	260	W
Operating Case Temperature		-20~70	degree C
Storage Temperature		-40~90	degree C
Vibration Condition		TBD	

Ordering Information

Model	Grade	Mechanical	Remark
RDX100C		w/o Heat Sink	See Draw ings
RDX100CC		w Heat Sink	See Draw ings

Specifications subject to change without notice.

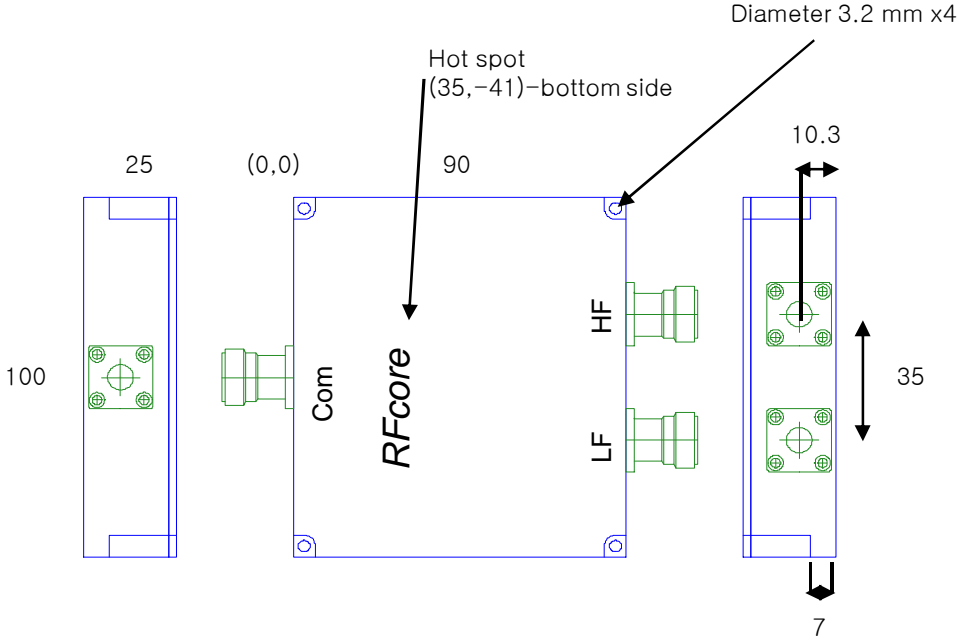
Customer Service: Tel. 82-31-708-7575

Email: kijeon@rfcore.com

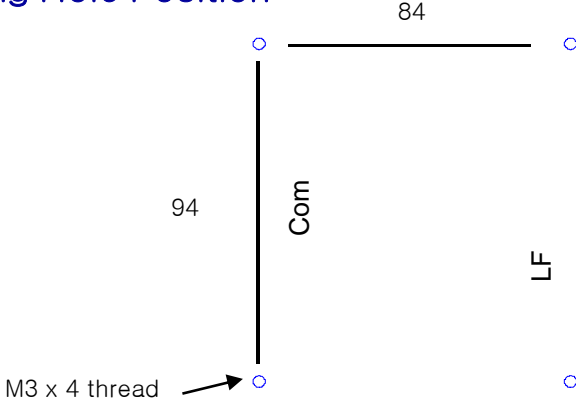
<http://www.rfcore.com>

RDX100C

Mechanical Dimensions



Mounting Hole Position



Specifications subject to change without notice.

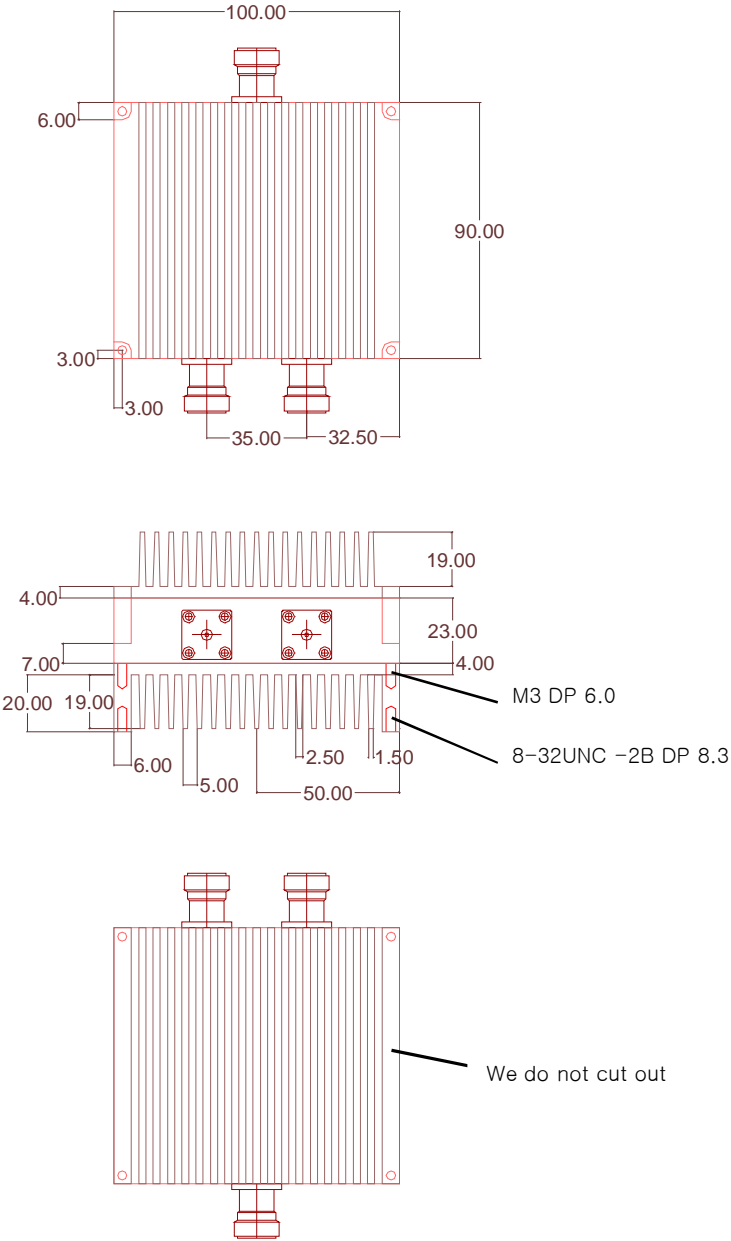
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Mechanical Dimensions II – Mounted with a heat sink.–Optional when ordered



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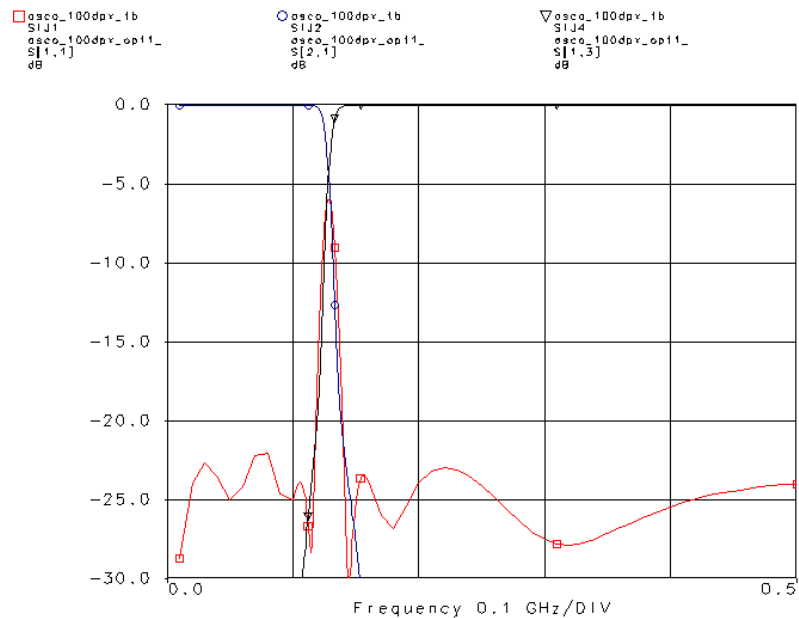
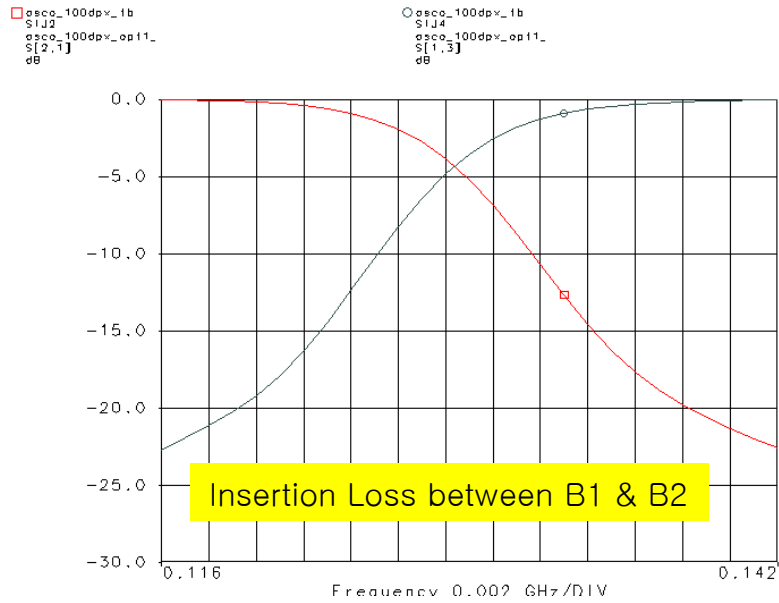
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Typical Performance – Predicted by Simulation

RDX100C

SN:



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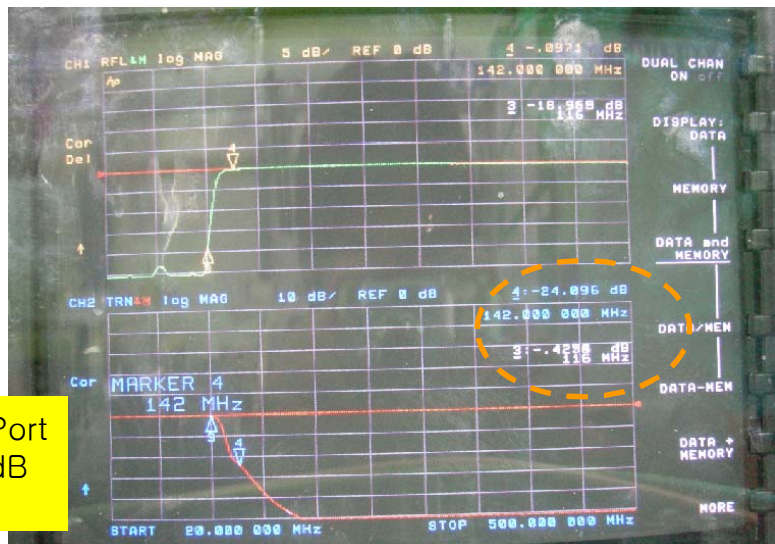
High Power Diplexer

Typical Performance – Measured with Pilot sample

RDX100C
SN:0603 00001

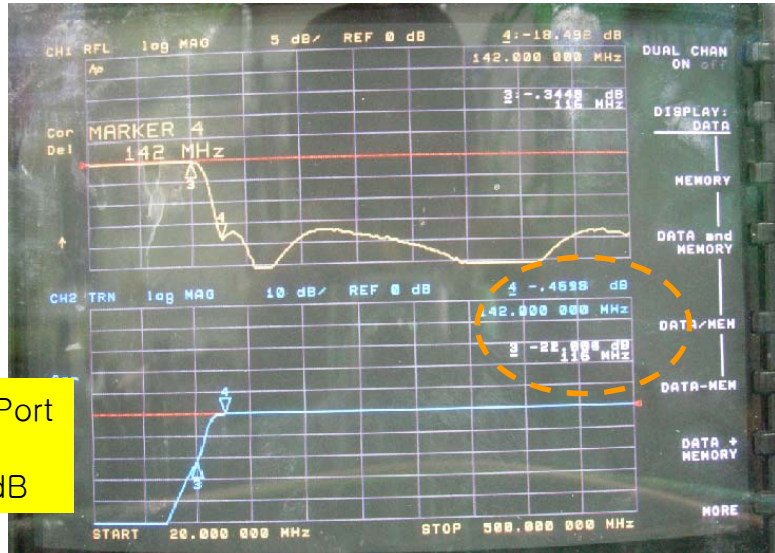
Return Loss @LF

Insertion Loss of LF Port
IL @116 MHz : 0.42 dB
IL @142 MHz : 24 dB



Return Loss @HF

Insertion Loss of HF Port
IL @116 MHz : 22 dB
IL @142 MHz : 0.46 dB



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