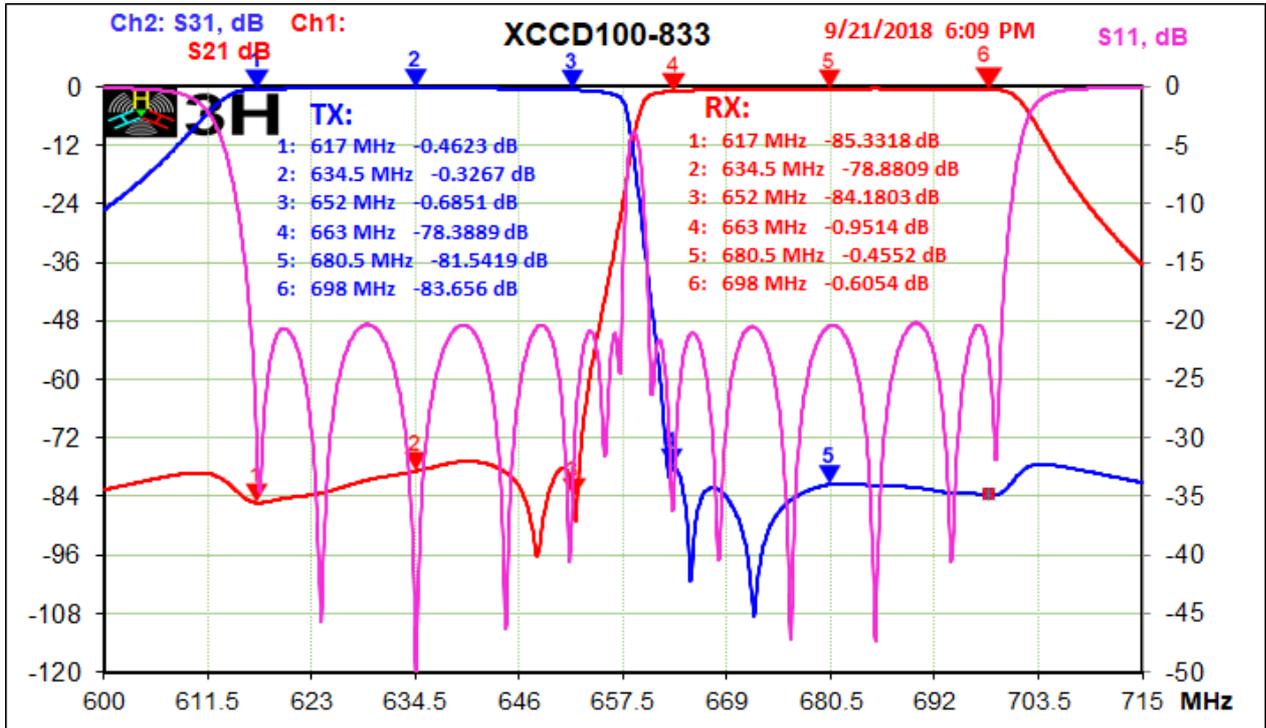


Band 71 Duplexer, 20 Watts (RoHS Compliant)



3H Part Number	Rev	Change Description	Date	ENG	MFG/QA	MKT
XCCD100-833	0	Initial Release	Sep 21, 2018	PS	LW	MG
	1	Changed mounting to 8-32	Oct 3, 2018	PS	LW	MG



ELECTRICAL SPECIFICATIONS

TX to COMMON (ANT) Port:

Frequency Band	617 - 652 MHz
Insertion Loss	1.5 dB max
Rejection at RX Band	60 dB min
TX Band Power	20W avg. 100 Watts Peak Max

RX to COMMON Port:

Frequency Band	663-698 MHz
Insertion Loss	1.5 dB max
Rejection at TX Band	60 dB min

Return Loss, All Ports	18 dB min
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PIM

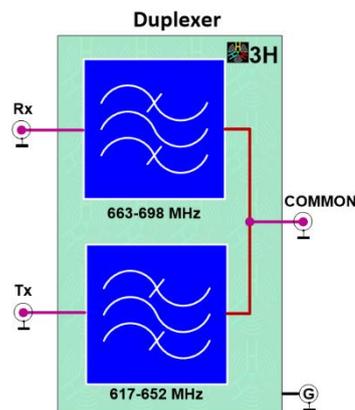
IMD in Rx Band with 2 +40 dBm tones in Tx band	153 dBc min
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MECHANICAL SPECIFICATIONS

Connectors	N-Female for All Ports (TX, RX, COMMON)
RF Connectors Configuration	In Line
Marking	Labels, TX, RX, COMMON
Weight	< 5 lbs Max
Size	130 x 118 x 67.5 mm ³ [5.118"x4.646"x2.657"] max

ENVIRONMENTAL/QUALITY SPECIFICATIONS

Operating Temperature Range	-40 to +85°C
Non-Operating Temperature Range	-55 to +125°C
Vibration 10 to 500 Hz	10 G Mx
Shock Duration	11 ms
IP Class	IP63 for Indoor
Humidity, Relative non-condensing	95% max

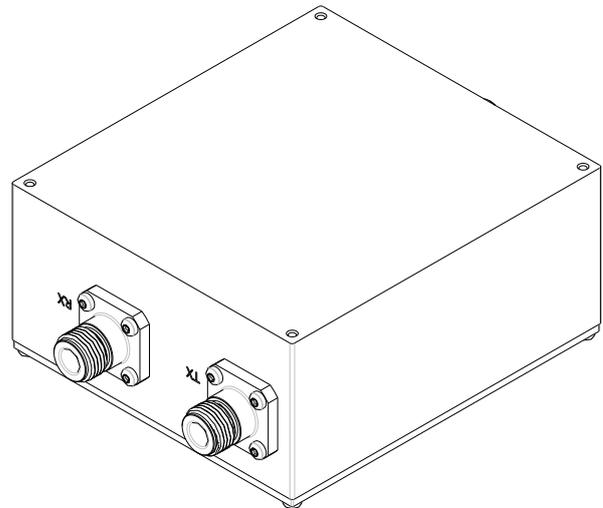
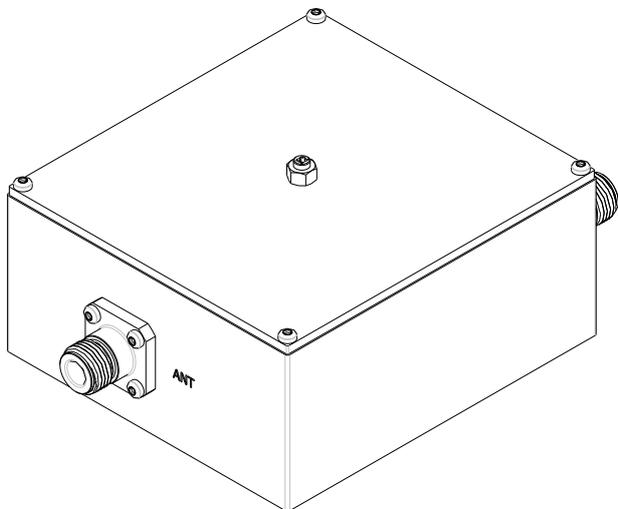
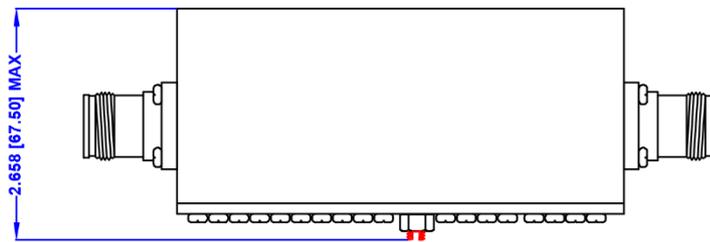
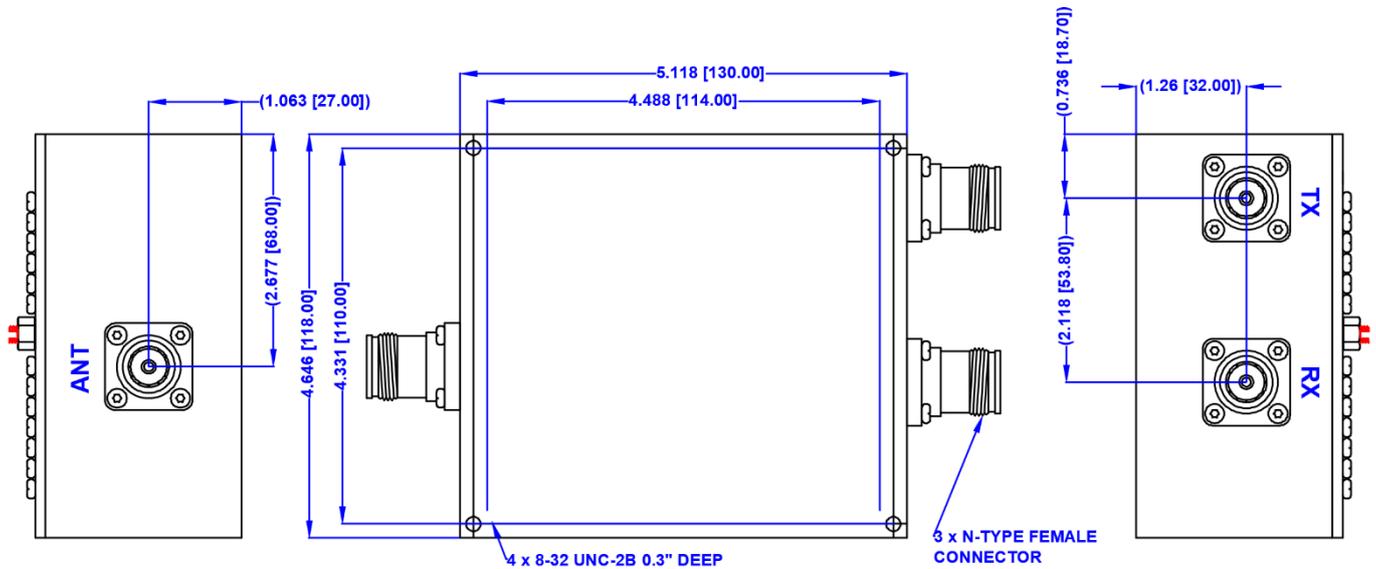


Drawn By:	Material: ALUMINUM	Tolerances .XX ±0.020[0.508] .XXX ±.010[0.254]	Proprietary Notice: The Information contained in this document is proprietary and shall not be used or disclosed without the prior written permission of 3H.			
QA Approval:	Finish: Natural Aluminium		Date	DWG #	Unite	Pages
Eng. Approval:			OCT 3, 18	XCCD100-833	mm	1 of 2

Band 71 Duplexer, 20 Watts (RoHS Compliant)



3H Part Number	Rev	Change Description	Date	ENG	MFG/QA	MKT
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Note: This is preliminary mechanical layout and some dimensions including reference dimensions may change slightly during prototyping and will be finalized after the first prototype.

Drawn By:	Material:	Tolerances	Proprietary Notice: The Information contained in this document is proprietary and shall not be used or disclosed without the prior written permission of 3H.			
QA Approval:	ALUMINUM	.XX ±0.020[0.508] .XXX ±.010[0.254]	Date	DWG #	Unite	Pages
Eng. Approval:	Finish: Natural Aluminium		OCT 3, 18	XCCD100 -833	mm	2 of 2