



The CD829/1940MK-D3 is Medium Power and Low PIM LTE/AWS Diplexer/Combiner. This is the most economic approach to Add AWS service to existing LTE install or vise versa. . ULTRA Low Loss with High Isolation. Excellent solution as part of Modular Expansion products offered by G-Way Microwave. Please call for other available options.

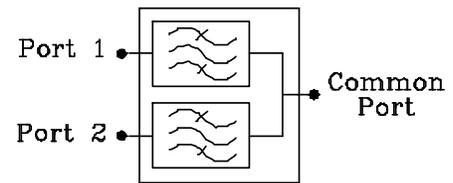
Connector types can be replaced with SMA/TNC.

Model: CD829/1940MK-D3

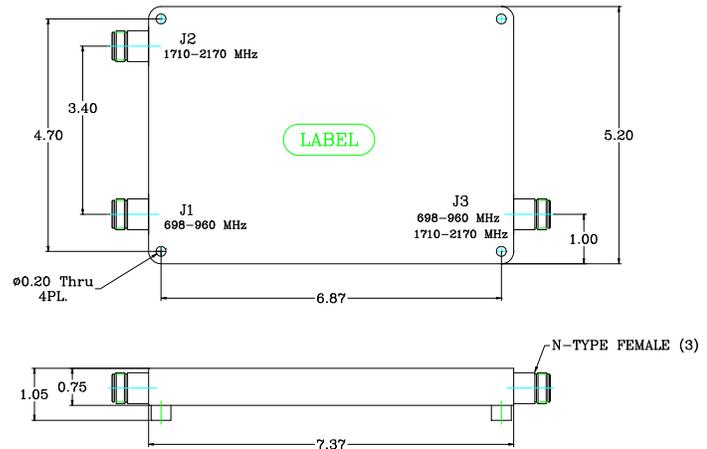


1. Electrical Characteristics	
Item	Value
LOW Pass Band Frequency Range [MHz]	698 ~ 960
HIGH Pass Band Frequency Range [MHz]	1710 ~ 2170
Pass Band Insertion Loss [dB]	< 0.2 (Typ.)
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Pass Band Ripple [dB]	< 0.2 P-T-P
LOW Band Rejection @ 1710 to 2170 MHz [dBc]	50 (Min.), 55 (Typ.)
HIGH Band Rejection @ 698 to 960 MHz [dBc]	50 (Min.), 55 (Typ.)
IM Products, IM3 @ 2 x 43 dBm [dBc]	-133 (Min.)
VSWR Both Pass Bands	< 1.28:1
Input/Output	DC Potential
Input / Output Impedance	50 Ω
Downlink RF power Capability CW	80 Watts
Downlink RF power Capability PEAK	900 Watts

5. Block Diagram



6. Outline Drawing



2. Mechanical Characteristics	
Final Finish (OPTIONAL)	Epoxy Gray
Dimensions (Including Mounting Hardware, exc. Connectors)	7.4" x 5.2" x 1.1"
Weight [lb / kg]	2.0 / 0.9
Connectors	N-Type Female (LOW PIM)

3. Environment Characteristics	
Operating Temperature	-30°C ~ +65°C

4. Plots

