



The CD1000/1940SK-E3 is a High Isolation, Diplexer/Combiner. Unit is to combine ANY system below 960 MHz with AWS system. ULTRA Low Loss with High Isolation. Excellent solution as part of Modular Expansion products offered by G-Way Microwave. Please call for other options available options. Connector types can be replaced with SMA/TNC.



**Model: CD1000/1940SK-E3**

**1. Electrical Characteristics**

Item	Value
LOW Pass Band Frequency Range [MHz]	DC ~ 960
HIGH Pass Band Frequency Range [MHz]	1710 ~ 2170
LOW Pass Band Insertion Loss [dB]	< 0.3, 0.2 (Typ.)
HIGH Pass Range Insertion Loss [dB]	< 0.3, 0.2 (Typ.)
Pass Band Ripple [dB]	<0.2 P-T-P
Isolation between Filters [dB]	75 (Min.), 80 (Typ.)
VSWR Both Pass Bands	<1.28:1
Input / Output Impedance	50 Ω
RF power Capability CW both filters	20 Watts
RF power Capability PEAK both filters	80 Watts

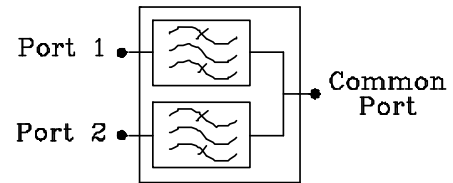
**2. Mechanical Characteristics**

Final Finish (OPTIONAL)	Epoxy Gray
Dimensions (Including Mounting Hardware, exc. Connectors)	8.6" x 1.5" x 0.9"
Weight [lb / kg]	0.75 / 0.33
Connectors	N-Type Female

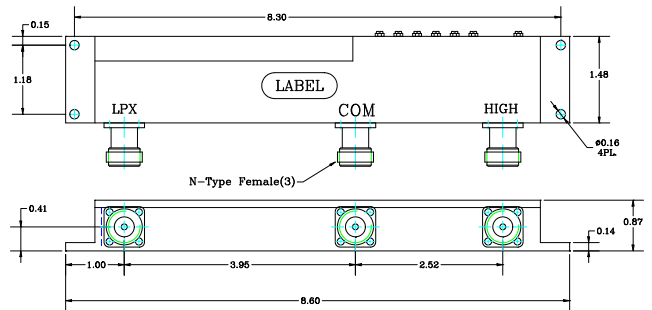
**3. Environment Characteristics**

Operating Temperature	-30°C ~ +65°C
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**5. Block Diagram**



**6. Outline Drawing**



**4. Plots**

