



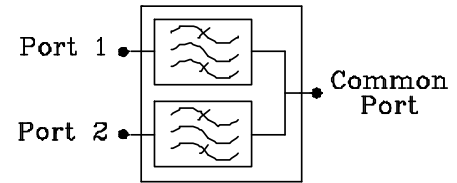
The CD520/880SK-E3 is a High Isolation, Medium Power and Low PIM Diplexer/Combiner. This is the most economic and professional approach to combining signals from VHF/UHF with LTE-GSM900 bands. Unit provides VERY High Isolation, practically eliminating interference between combined bands. Simple, small, economic and yet professional design allows for Modular Expansion of coverage solutions. Please call for other Unique Combining and Economic options available.



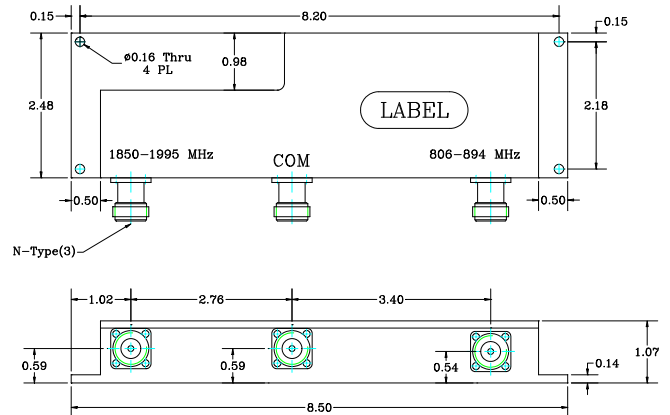
Model: CD520/880SK-E3

1. Electrical Characteristics	
Item	Value
LOW Pass Band Frequency Range [MHz]	DC ~ 520
HIGH Pass Band Frequency Range [MHz]	800 ~ 960
Pass Band Insertion Loss [dB]	< 0.5, 0.4 (Typ.)
Pass Band Ripple [dB]	< 0.2 P-T-P
LOW Pass Band @ 800 to 960 MHz [dBc]	50 (Min.), 60 (Typ.)
HIGH Pass Band @ 10 to 520 MHz [dBc]	50 (Min.), 60 (Typ.)
Isolation between Filters [dBc]	50 (Min.), 60 (Typ.)
IM Products, IM3 @ 2 x 33 dBm [dBc]	-143 (Min.)
IM Products, IM3 @ 2 x 43 dBm [dBc]	-133 (Typ.)
VSWR Both Pass Bands	< 1.23:1
Input/Output	DC Potential
Input / Output Impedance	50 Ω
RF power Capability CW	30 Watts
RF power Capability PEAK	300 Watts

5. Block Diagram



6. Outline Drawing



2. Mechanical Characteristics	
Final Finish (OPTIONAL)	Epoxy Gray
Dimensions (Including Mounting Hardware, exc. Connectors)	8.5" x 2.5" x 1.1"
Weight [lb / kg]	1.2 / 0.6
Connectors	N-Type Female

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

4. Plots

