



The CD880/1922SK-E3 is a High Isolation, Medium Power and Low PIM Diplexer/Combiner. This is the most economic and professional approach to combining signals from DC to GSM900 bands with PCS 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.



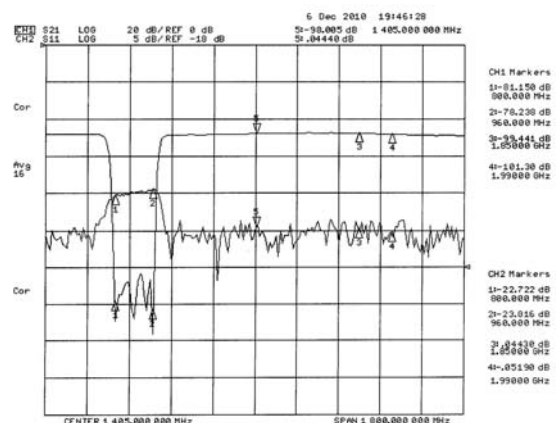
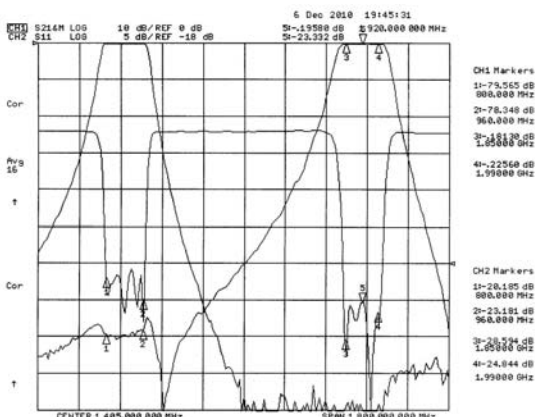
**Model: CD880/1922SK-E3**

1. Electrical Characteristics	
Item	Value
LOW Pass Band Frequency Range [MHz]	800 ~ 960
HIGH Pass Band Frequency Range [MHz]	1850 ~ 1995
Pass Band Insertion Loss [dB]	< 0.5, 0.4 (Typ.)
Pass Band Ripple [dB]	< 0.2 P-T-P
LOW Band Rejection @ 1850 to 1995 MHz [dBc]	75 (Min.), 80 (Typ.)
HIGH Band Rejection @ 800 to 960 MHz [dBc]	75 (Min.), 75 (Typ.)
Isolation between Filters [dBc]	75 (Min.), 75 (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	20 Watts
RF power Capability PEAK	200 Watts

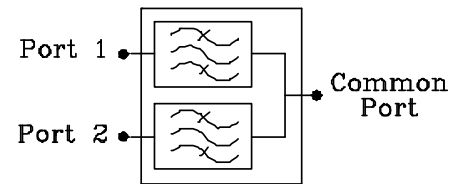
2. Mechanical Characteristics	
Final Finish (OPTIONAL)	Epoxy Gray
Dimensions (Including Mounting Hardware, exc. Connectors)	8.5" x 2.5" x 1.1"
Weight [lb / kg]	1.2 / 0.6
Connectors	N-Type Female

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

**4. Plots**



**5. Block Diagram**



**6. Outline Drawing**

