



The CD4XX/XSK-F3 is a High Isolation, Low Loss **Diplexer/Combiner**. This is the most efficient approach to replace the commonly used 2-way combiner that exhibits more than 3dB loss with standard 20dB isolation. G-Way Solution is so unique that we'd like to as you to call us with your specific requirement. Please call for other options.



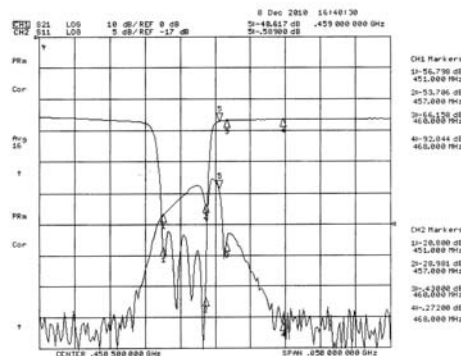
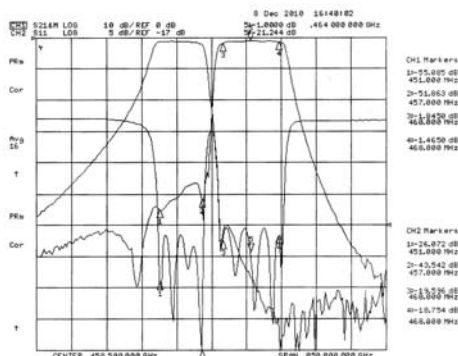
Model: CD458.5/6/8SK-F3

1. Electrical Characteristics	
Item	Value
LOW Pass Band Frequency Range [MHz]	451 ~ 457
HIGH Pass Band Frequency Range [MHz]	460 ~ 468
Downlink Pass Range Insertion Loss [dB]	< 1.5, 1.3 (Typ.)
Pass Band Ripple [dB]	< 0.5 P-T-P
Pass Band Rejection @ DC to 360 MHz [dBc]	40 (Min.)
Pass Band Rejection @ 525 to 1000 MHz [dBc]	40 (Min.)
Isolation between filters [dBc]	25 (Min.), 30 (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	< 1.28:1
Input/Output	DC Potential
Input / Output Impedance	50 Ω
Downlink RF power Capability CW	10 Watts
Downlink RF power Capability PEAK	100 Watts

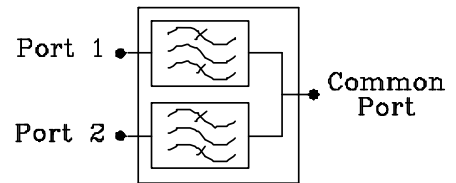
2. Mechanical Characteristics	
Final Finish (OPTIONAL)	Epoxy Gray
Dimensions (Including Mounting Hardware, exc. Connectors)	9.1" x 5.0" x 2.8"
Weight [lb / kg]	5.8 / 2.6
Connectors	N-Type Female

3. Environment Characteristics	
Operating Temperature	-20°C ~ +60°C

4. Plots



5. Block Diagram



6. Outline Drawing

