



The CD766.5/11SK-D3 is a High Isolation, Medium Power (50W CW) and Low PIM LTE Block C Diplexer. This is the most economic approach to combine LTE Uplink and Downlink in to one common port while providing VERY High Isolation between Repeaters with very Low Insertion Loss. Unit available with SMA/7/16" DIN connectors. Please call for additional options/versions available.



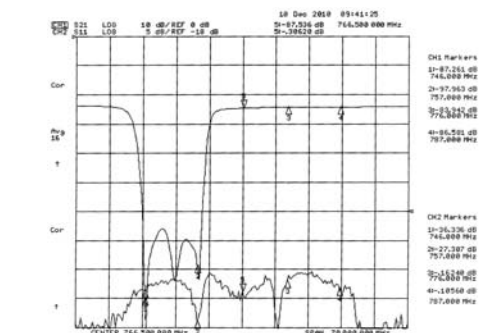
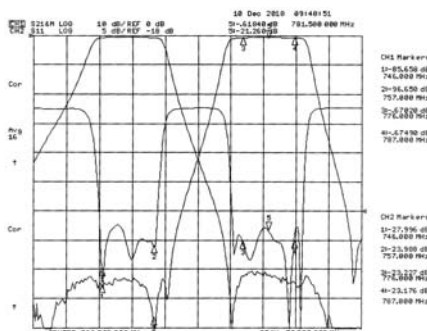
Model: CD766.5/11SK-D3

1. Electrical Characteristics	
Item	Value
LOW Pass Band Frequency Range [MHz]	746 ~ 757
HIGH Pass Band Frequency Range [MHz]	776 ~ 787
Pass Band Insertion Loss @ Fo [dB]	< 0.6, 0.5 (Typ.)
Pass Band Ripple [dB]	< 0.4 P-T-P
LOW Band Rejection @ 776 to 787 MHz [dBc]	80 (Min.)
HIGH Band Rejection @ 746 to 757 MHz [dBc]	80 (Min.)
LOW Band Rejection @ 776 to 787 MHz [dBc]	80 (Min.), 85 (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
RF power Capability each path CW	50 Watts
RF power Capability each path PEAK	400 Watts

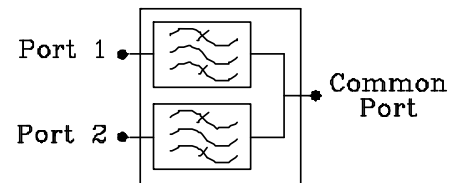
2. Mechanical Characteristics	
Final Finish (OPTIONAL)	Epoxy Gray
Dimensions (Excluding Mounting Hardware, and Connectors)	7.4" x 5.0" x 1.8"
Weight [lb / kg]	3.0 / 1.25
Connectors	N-Type Female (LOW PIM)

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

4. Plots



5. Block Diagram



6. Outline Drawing

