

# DSO-DP6 Plug-In Card

## DESCRIPTION

Provides 6 DDS interfaces. Each interface supports software selectable 2.4, 4.8, 9.6, 56, and 64 (clear channel) kbps data rates. The Calix C7 DSO DP-6 can be plugged into any of the 20 universal slots within the Calix C7 shelf. Physical access to each DDS interface is provided through standard 25-pair RJ-21 connectors mounted on the back of the Calix C7 shelf.

## KEY ATTRIBUTES

**INTERFACE DENSITY:** The 14-inch high Calix C7 shelf can be equipped with up to 20 DSO DP-6 plug-in cards for a total of 120 DDS interfaces per shelf. Up to five shelves can be deployed in a single node configuration to deliver 600 DDS interfaces from a single 7-foot bay.

**DDS NETWORK INTERFACE:** The DSO DP-6 plug-in card is deployed at the network side with the OCU DP-6 plug-in card deployed at the customer side. Optionally, DDS circuits may be groomed onto DS1s (D4 format) for network handoff.

**PLUG AND PLAY:** New DSO DP-6 plug-in cards can be added to the system with ease and minimum user intervention, allowing quick and easy turn up of new services.

**METALLIC TEST ACCESS:** The Calix C7 supports metallic test access for equipment and facility testing of metallic circuits. Service technicians can perform onsite metallic testing through a direct connection in the front of the Calix C7, or perform remote automated testing through a rear access connection.

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## SPECIFICATIONS

# DSO-DP6 Plug-In Card

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### ORDERING INFORMATION

Calix Part No. 100-00168

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### PORTS

6 Office Digital Signal Zero Data  
Ports (DS0 DP) interfaces per card  
20 cards per shelf  
120 digital interfaces per 14-inch  
shelf  
600 digital interfaces per 7-foot rack  
(5 shelves)

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### STATUS INDICATORS

**FAIL:** Red – Card has failed  
**ACTIVE:** Green – Indicates card is  
active and operating properly  
**SYNC:** Green – Indicates loopback  
testing is active

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### POWER DISSIPATION

25 Watts per card

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### PHYSICAL DIMENSIONS

Size: 9.3 inches (height) x 0.7 inches  
(width) x 9.0 inches (depth)

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### OPERATING ENVIRONMENT

Temperature: –40 C to +65 C  
(–40 F to +149 F)  
Humidity: 5 to 90% non-condensing  
Altitude: to 13,125 feet

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### STORAGE TEMPERATURE

–40 C to +70 C (–40 F to +158 F)

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### NEBS LEVEL 3 COMPLIANCE

Telcordia GR-63-CORE, Network  
Equipment-Building  
System (NEBS) Requirements,  
Issue 1, October 1995.  
Telcordia GR-1089-CORE,  
Electromagnetic Compatibility  
and Electrical Safety, Issue 2,  
December 1997 with revision 1,  
February 1999.

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### SAFETY

NTRL-UL 1950

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### EMI/RFI

FCC Part 15 Class A

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### STANDARDS SUPPORT

Telcordia, TA-TSY-000077, "Digital  
Channel Banks - Requirements  
for Dataport Channel Unit  
Functions," Issue 3, April 1986.  
Telcordia, TR-NWT-00057,  
Functional Criteria for Digital Loop  
Carrier Systems, Issue 2, January  
1993.



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