Technical Data Sheet

CANFORD MICROMUSA 12G 4K UHD U-LINKS

48-4520 CANFORD microMUSA 12G UHD U-LINK, Black
48-4521 CANFORD microMUSA 12G UHD U-LINK, Brown
48-4522 CANFORD microMUSA 12G UHD U-LINK, Red
48-4523 CANFORD microMUSA 12G UHD U-LINK, Orange
48-4524 CANFORD microMUSA 12G UHD U-LINK, Yellow
48-4525 CANFORD microMUSA 12G UHD U-LINK, Green
48-4526 CANFORD microMUSA 12G UHD U-LINK, Blue
48-4527 CANFORD microMUSA 12G UHD U-LINK, Violet
48-4528 CANFORD microMUSA 12G UHD U-LINK, Grey
48-4529 CANFORD microMUSA 12G UHD U-LINK, White



Developed for use with Canford microMUSA video patch panels. Performance exceeds the requirements of SMPTE ST 2082-1 making them suitable for composite and component video, analogue video, 270 Mb/s SDI, uncompressed 1080i or 1080p HD-SDI video and 4K UHD (2160P60) video up to 12GHz.

The microMusa format offers the highest possible density in a single 1U panel with a maximum of 48 patches possible. A feature of Canford microMUSA video patch panels is a unique positive location feature ("detent") that indicates when the U-link is fully mated into the panel whilst additionally providing resistance to disconnection through vibration as found in some environments such as OB vehicles. Designed and made to the same very high standards as our 3G MUSA connectors microMusa U links are not compatible with existing Canford 3G MUSA range due its much smaller form format.

Like the original 3G MUSA system, the microMUSA is a non-normalised system and therefore U-links or patchcords are required to make the circuit.

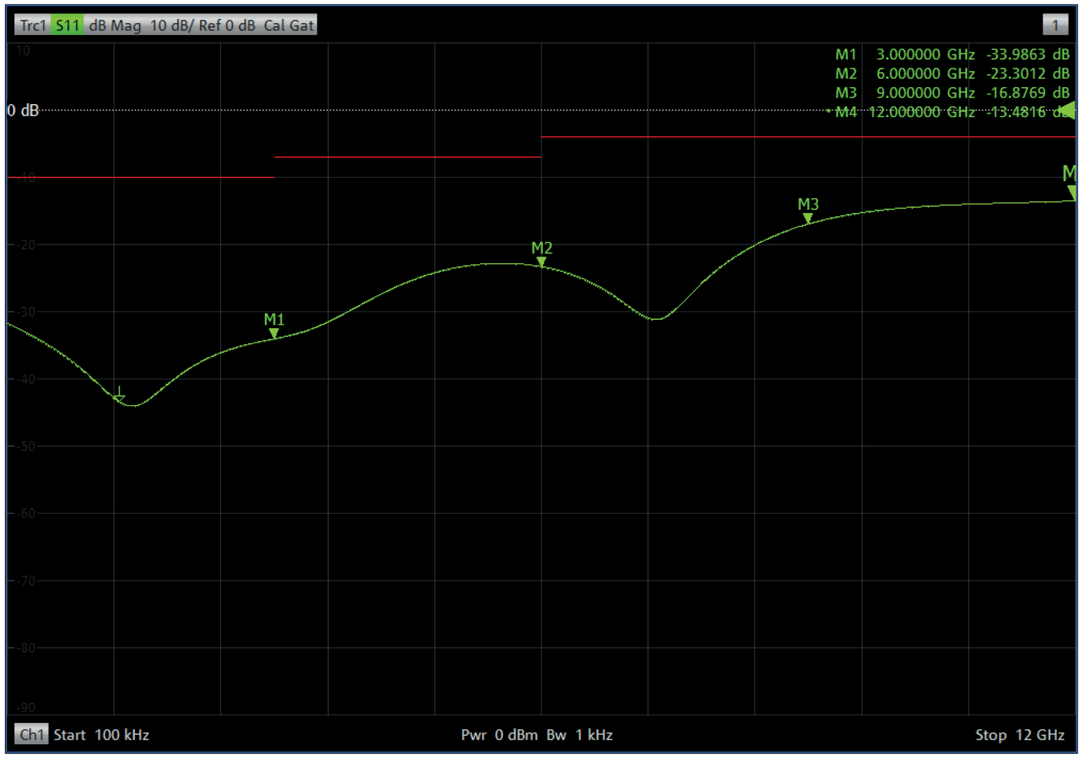
The U-link is constructed using a "U shaped" single piece centre contact ensuring low insertion and reflection losses and long term reliability. The U-link body is a robust zinc diecast shell with finger grips, whilst the nickel-plated legs and gold plated centre contacts allow for a smooth mating action.

U-links have factory fitted, non-removable coloured plastic inserts allowing easy identification.

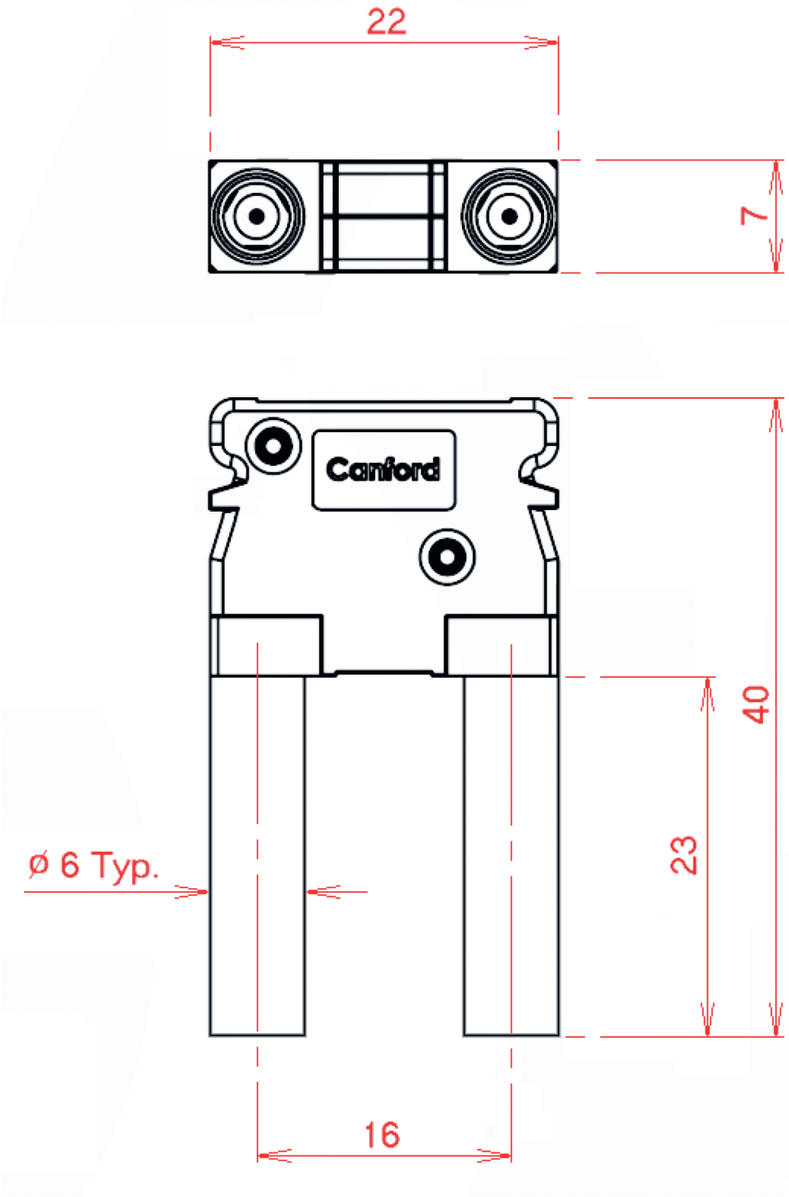
TECHNICAL SPECIFICATION

Electrical	
Impedance	75 Ohm
Frequency Range	Up to 18GHz
Dielectric Withstand Voltage	1000 Veff
Insulation Resistance	10000 M-Ohm
Mechanical	
RoHS3 Compliant	Yes
Mating Cycles	5000
Weight	21.63g
Mating Force	10N max
Un-Coupling Force	25N max

Environmental		
Operating Temperature	-30 to +70 Deg C	
IP Rating (Mated)	IP30	
Materials		
Centre Contact	Beryllium Copper	
Outer Contact	Phosphor Bronze	
Insulator	PTFE	
Centre Contact Plating	Gold	
Outer Contact Plating	Nickel	
Pack Size	1	
Performance		
Return Loss	3Ghz	-33.98 dB
	6Ghz	-23.30 dB
	9Ghz	-16.87 dB
	12Ghz	-13.48 dB



DIMENSIONS



NOTES