

- Tin-plated Zinc die-cast housing with tongue & groove soldered back plate providing -130dB RFI shielding.
- SCTE compliant threaded F ports spaced 1" center to center. As defined within the ANSI/SCTE 01 1996R2001 Specifications.
- Weather sealed F ports designed to withstand internal hermetic pressure up to 30 PSI.
- Patent pending gold plated beryllium copper 360° center conductor seizing insert.
- Glass PCB with micro strip etching and SMT component technology.
- Surge tolerance; all ports conforms to IEEE C62.41-1991 Category A3, Khz 6kV 200a ring wave. Optional; input IEEE C62.41-1991 Category B3 Combination wave 6kV 2kA
- All ports DC blocked with temperature-hardened 6kV capacitors.
- Magnetism resistant ferrite core prevents saturation and maintains low modulation distortion.
- -35dB port to port isolation within the 15-50Mhz bandpass, Ideal for cable modem applications.
- High quality device plating passes 1200 hour salt spray testing.
- Devices are temperature hardened to withstand -40°C and 85°C operational environments.
- Grounding lug conforms to National Electrical safety code. Includes two (2) stainless steel mounting screws.



DCT



DCT-MINI



TECHNICAL SPECIFICATIONS (typical)*

	DCT-6	DCT-9	DCT-12	DCT-16	DCT-20
Insertion Loss -Thru/Tap	6dB	9dB	12dB	16dB	20dB
5 – 14Mhz	-2.3/6.5dB	-1.2/9.5dB	-.90/12.4dB	-.90/16.1dB	-.90/20.2dB
15 – 49Mhz	-2.2/6.4dB	-1.1/9.4dB	-.90/12.3dB	-.90/16.1dB	-.90/20.3dB
50 – 400Mhz	-2.3/6.3dB	-1.3/9.3dB	-.93/12.3dB	-.93/16.2dB	-.90/20.4dB
401- 750Mhz	-2.5/6.2dB	-1.5/9.2dB	-.95/12.2dB	-.95/16.1dB	-.91/20.8dB
751 – 1000Mhz	-2.7/6.2dB	-1.7/9.1dB	-.97/12.1dB	-.97/16.0dB	-.93/21.0dB
Return Loss Input					
5 – 14Mhz	-26.0dB	-25.1dB	-25.0dB	-25.0dB	-25.0dB
15 – 49Mhz	-26.1dB	-25.1dB	-25.0dB	-25.0dB	-25.0dB
50 – 400Mhz	-25.0dB	-23.0dB	-23.0dB	-23.0dB	-23.0dB
401- 750Mhz	-25.5dB	-24.5dB	-24.0dB	-24.0dB	-24.0dB
751 – 1000Mhz	-25.8dB	-24.8dB	-24.4dB	-24.4dB	-24.4dB
Return Loss Output /Tap					
5 – 14Mhz	-23.0/31.0dB	-29.0/30.0dB	-29.0/30.0dB	-29.0/30.0dB	-29.0/30.0dB
15 – 49Mhz	-30.0/32.0dB	-29.0/31.0dB	-29.0/31.0dB	-29.0/31.0dB	-29.0/31.0dB
50 – 400Mhz	-25.0/27.0dB	-24.0/26.0dB	-24.0/26.0dB	-24.0/26.0dB	-24.0/26.0dB
401- 750Mhz	-29.0/32.0dB	-28.0/31.0dB	-28.0/31.0dB	-28.0/31.0dB	-28.0/31.0dB
751 – 1000Mhz	-29.0/29.0dB	-29.0/28.0dB	-29.0/28.0dB	-29.0/28.0dB	-29.0/28.0dB
Tap to Port Isolation					
5 – 14Mhz	-36.0dB	-36.0dB	-36.0dB	-36.0dB	-36.0dB
15 – 49Mhz	-35.0dB	-35.0dB	-35.0dB	-35.0dB	-35.0dB
50 – 400Mhz	-32.0dB	-31.0dB	-31.0dB	-31.0dB	-31.0dB
401- 750Mhz	-32.0dB	-30.0dB	-30.0dB	-30.0dB	-30.0dB
751 – 1000Mhz	-30.0dB	-31.0dB	-31.0dB	-31.0dB	-31.0dB

*Specifications subject to change without notice