



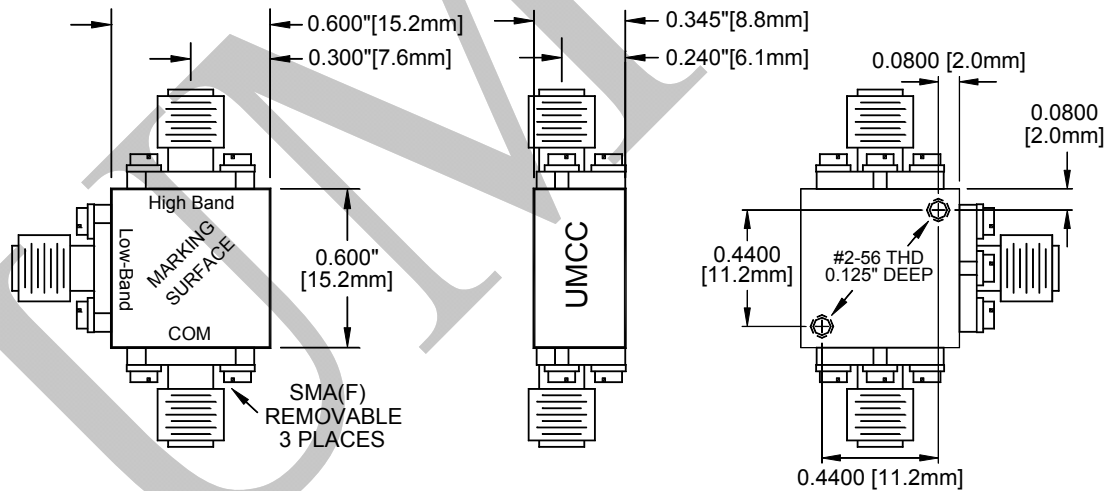
Model: M2-A3C-150-S0

Description:	Contiguous Diplexer
Ultimate Frequency Band:	DC-18 GHz
Crossover Frequency:	150 MHz , ±5% Max
Insertion Loss @ Crossover Frequency:	4.5dB Max
Low-Band Frequency Range:	DC – 100 MHz
Insertion Loss Low-Band:	DC-100MHz 1.2dB Max
High-Band Frequency Range:	230 MHz – 18 GHz
Insertion Loss High-Band:	230MHz-18GHz 1.2dB Max
VSWR:	1.40:1 Max
Rejection (COM to Low-Band):	330-18GHz > 20dB
	450-18GHz > 30dB
Rejection (COM to High-Band):	DC-70MHz > 20dB
	DC-40MHz > 30dB
RF Power:	10W Cw/Avg Max
Connectors:	All SMA (female)
Impedance:	50 Ω Nominal
Quality:	Best-Commercial-Grade

Environmental Ratings:

Temperature:	{Operating: -55°C to +95°C} & {Storage: -60°C to +110°C}
Humidity:	MIL-STD-202F, Method 103B, Cond. B (96 hours at 95% R.H.)
Shock:	MIL-STD-202F, Method 213B, Cond. B (75G, 6mSec)
Vibration:	MIL-STD-202F, Method 204D, Cond. B (.06" double amplitude, or 15G)
Altitude:	MIL-STD-202F, Method 105C, Cond. B (50,000 Feet)
Temp. Shock:	MIL-STD-202F, Method 107D, Cond. A (5 cycles)

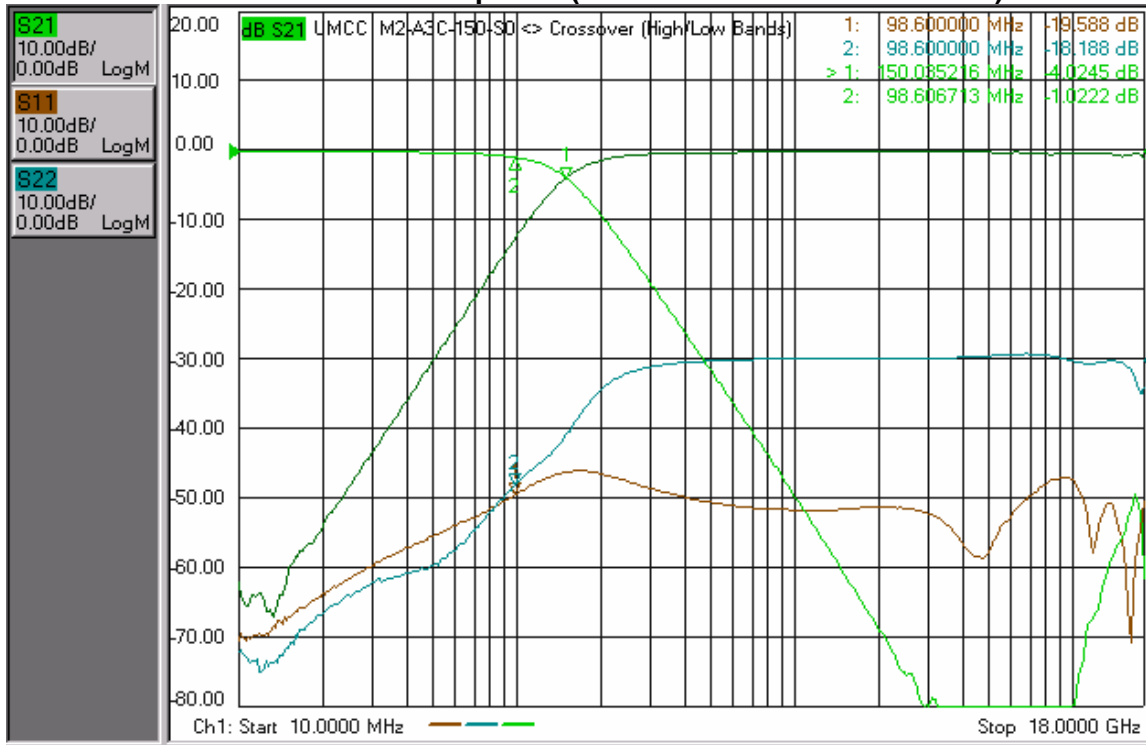
Outline





Model: M2-A3C-150-S0

COM to Low-Band Response (Transmission & Return Loss)



COM to High-Band Response (Transmission & Return Loss)

