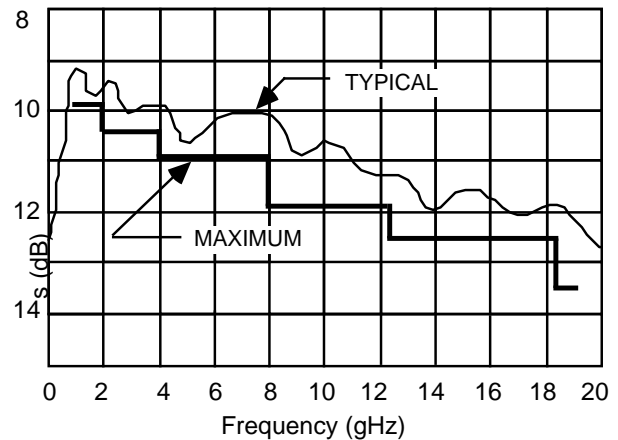


DESCRIPTION

Model CMCP0321 is a 8-way Wilkinson power splitter/combiner that features low loss, high isolation, and excellent port to port amplitude balance over a broad range of frequencies. Microstrip design and construction allows the production of a small, repeatable, and light weight unit. All R.F. connectors are of the field replaceable type and can be substituted with male connectors or removed to yield a drop-in package with glass to metal seals at the R.F. ports.

CMCP0321
8-Way Power Divider

ELECTRICAL PERFORMANCE



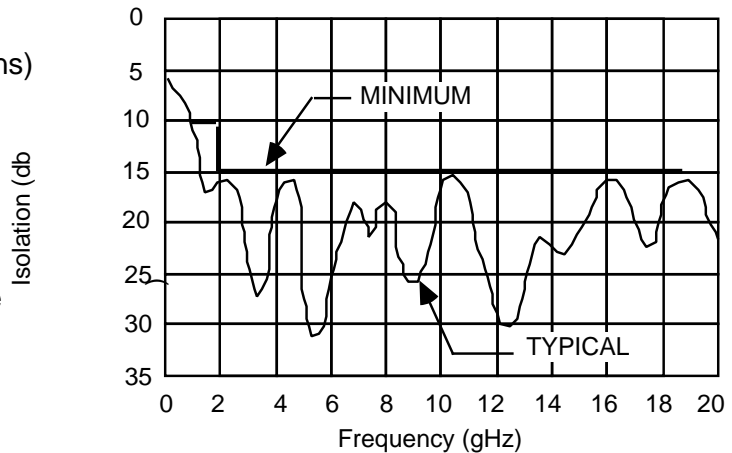
Power Handling Capability

1 Watt max (2.0:1 VSWR terminations)

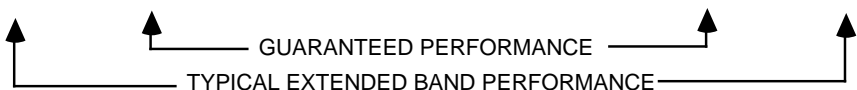
MECHANICAL

Finish.....Standard: nickel plate
Optional: epoxy paint

Weight.....220 grams



		FREQUENCY (GHz)					
		1.0-2.0	2.0-4.0	4.0-8.0	8.0-12.4	12.4-18.0	18.0-18.6
INSERTION LOSS (dB) (above 9dB split)	TYP.	0.7	1.1	1.6	2.6	3.2	3.8
	MAX.	0.9	1.4	1.9	2.9	3.5	4.5
VSWR (max)	OUTPUT	1.35	1.55	1.90	1.90	2.00	2.10
	INPUT	1.95	1.95	1.95	1.80	1.80	1.80
ISOLATION (dB min)		8.5	15	15	15	15	15
AMPLITUDE BALANCE (±dB)		0.2	0.3	0.5	0.5	1.0	1.2



ENVIRONMENTAL RATINGS

Temperature:
 Operating----- -55°C to +85°C
 Non-operating----- -65°C to +125°C

Altitude:
 MIL-STD-202C, Method 105C,
 Cond. B (50,000ft)

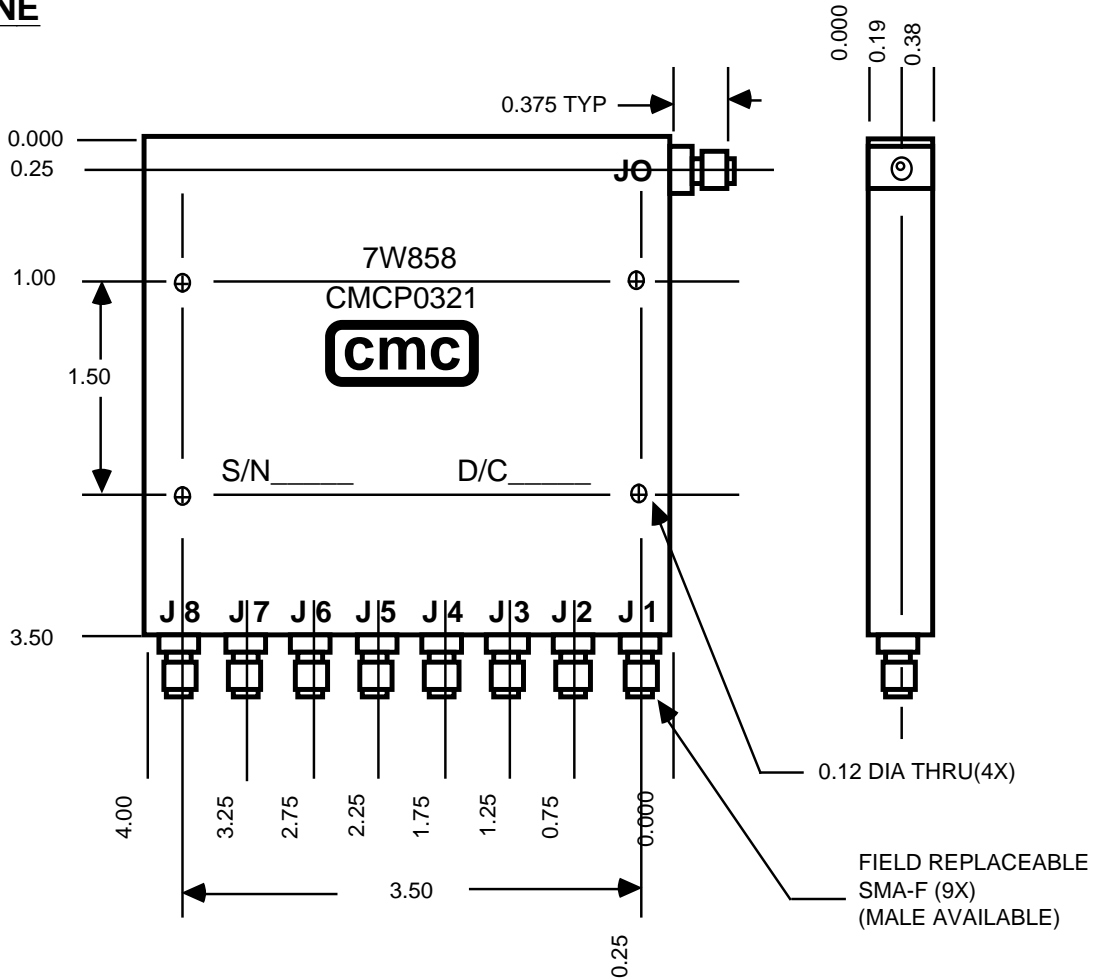
Humidity:
 MIL-STD-202C, Method 103B,
 Cond. B (96 hrs. at 95%)

Temp Cycling:
 MIL-STD-202C, Method 105C,
 Cond. D, 5 cycles

Vibration:
 MIL-STD-202C, Method 204A,
 Cond. B (0.06" double amplitude
 or 15G, whichever is less)

Shock:
 MIL-STD-202C, Method 213,
 Cond. B (750G, 6ms)

OUTLINE



Custom Microwave Components, Inc.
 44249 Old Warm Springs Blvd.
 Fremont, California 94538
 510-651-3434

