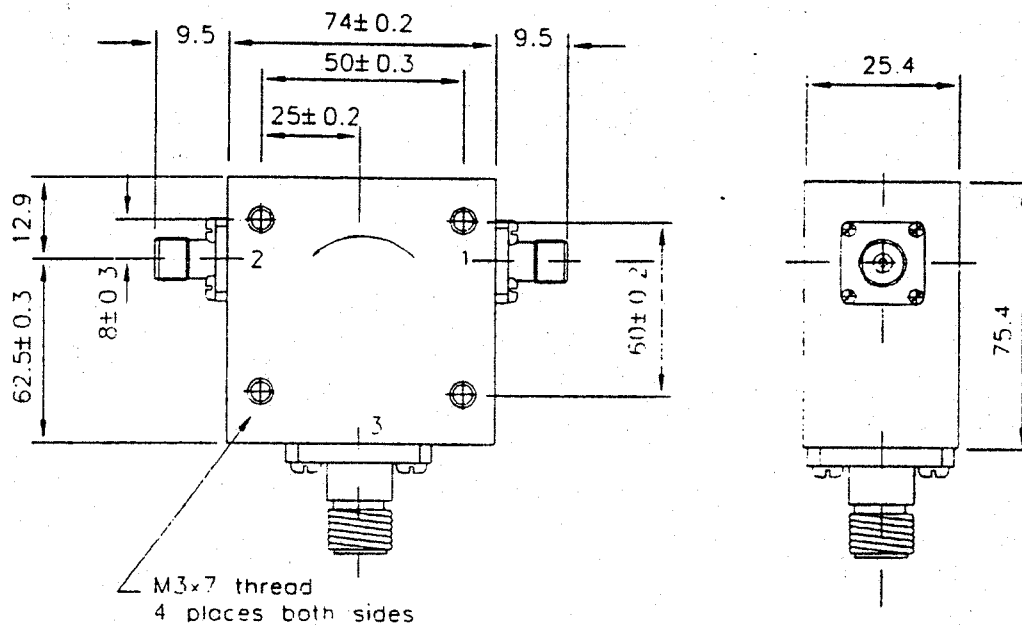


Unit: Nr.

1. DIMENSIONAL DRAWING (all dimensions in mm)



2. SURFACE FINISH

2.1 N CONNECTORS FINISH

: Contact pins 1.27 μm gold plated according to MIL-G-45204, type II, class 1.

2.2 SMA CONNECTORS and FLANGES FINISH

: Contact pin and sockets 1.27 μm gold plated to MIL-G-45204, type II, class 1.

2.3 MARKING

: Supplier's identification and part-number, circulating sense indication.

2.4 OUTSIDE FINISH

: Light black enamel according to 041-009/01-99 PQ

coaxial circulator
1.4 to 1.55 GHz

3. ENVIRONMENTAL CHARACTERISTICS

3.1 OPERATING TEMPERATURE RANGE	: -10°C ÷ +60°C (95% R.H.)
3.2 STORAGE TEMPERATURE RANGE	: -30°C ÷ +80°C (95% R.H.)
3.3 TEMPERATURE CYCLING	: -55°C ÷ +85°C, 10 cycles according to MIL-STD-883, method 1010 (test condition A); 1 hour for each cycles.
3.4 MOISTURE RESISTANCE	: 65°C , 95% R.H. , for 10 days according to MIL-STD-883, method 1004.
3.5 VIBRATION TEST	: 10 ÷ 55 Hz to 10 Hz for 2 hours in each of the X, Y and Z axes according to MIL-STD-202F, method 201A
3.6 MECHANICAL SHOCK TEST	. peak values 100 g. duration 6 ms according to MIL-STD-202F, method 213A. (test condition G)

4. ELECTRICAL CHARACTERISTICS

4.1 FREQUENCY RANGE		1.4 - 1.55 GHz
4.2 ISOLATION	*	21 dB min
4.3 INSERTION LOSS	*	0.40 dB max
4.4 RETURN LOSS	*	21 dB min
4.5 RF TRANSIT POWER		20 W
4.6 IMPEDANCE		50 Ω
4.7 EMC		54 dBμV at 1m with 1 W of transit power according to MIL-STD-461C, method RE02
4.8 INTERMODULATION PRODUCTS (IP3, IP5)		≤ -115 dBm two tones. Pin +33 dBm for each tones Δf ≥ 10 Mhz

5. CONNECTORS

5.1 PORT 1	SMA type
5.2 PORT 2	SMA type
5.3 PORT 3	N type