

DESCRIPTION

AMC MODEL SWM-0318-2DT OPTION: BC, A11 IS AN ABSORPTIVE GaAs MMIC SPDT SWITCH/MODULATOR WITH INTEGRAL TTL DRIVER, PACKAGED IN A LOW PROFILE HOUSING.

SPECIFICATIONS

- FREQUENCY RANGE 0.3-18 GHz
- INSERTION LOSS 0.3-2 GHz: ≤ 2.0 dB MAXIMUM
(1.5 dB TYPICAL)
2-18 GHz: ≤ 4.0 dB MAXIMUM
(3.5 dB TYPICAL)
- ISOLATION ≥ 40 dB
- VSWR (ON/OFF) 0.3-18 GHz: 1.8:1 MAXIMUM
- SWITCHING TIME
RISE (10% RF TO 90% RF) 10 ns MAXIMUM, 5 ns TYPICAL
FALL (90% RF TO 10% RF) 10 ns MAXIMUM, 5 ns TYPICAL
ON (50% TTL TO 90% RF) 20 ns MAXIMUM
OFF (50% TTL TO 10% RF) 20 ns MAXIMUM
- POWER HANDLING 26 dBm MAXIMUM, 27 dBm TYPICAL
- POWER SUPPLY +7VDC TO +18VDC $\pm 5\%$ 5 mA MAXIMUM
-7VDC TO -18VDC $\pm 5\%$ 5 mA MAXIMUM
- CONNECTORS
RF INPUT/OUTPUT FIELD REPLACEABLE SMA (FEMALE)
POWER SOLDER PIN
CONTROL FIELD REPLACEABLE SMA (FEMALE)
NOTE: RF CONNECTORS CAN BE PLACED SIDE BY SIDE OR IN ANGLE.
(CONSULT FACTORY FOR AVAILABLE MECHANICAL OPTIONS)
- SIZE 1.50" x 1.50" x 0.40"

AVAILABLE OPTIONS

- BC SPECIAL FOR BRETT COOPER
- A11 SMA FEMALE CONTROL CONNECTOR

ENVIRONMENTAL RATINGS

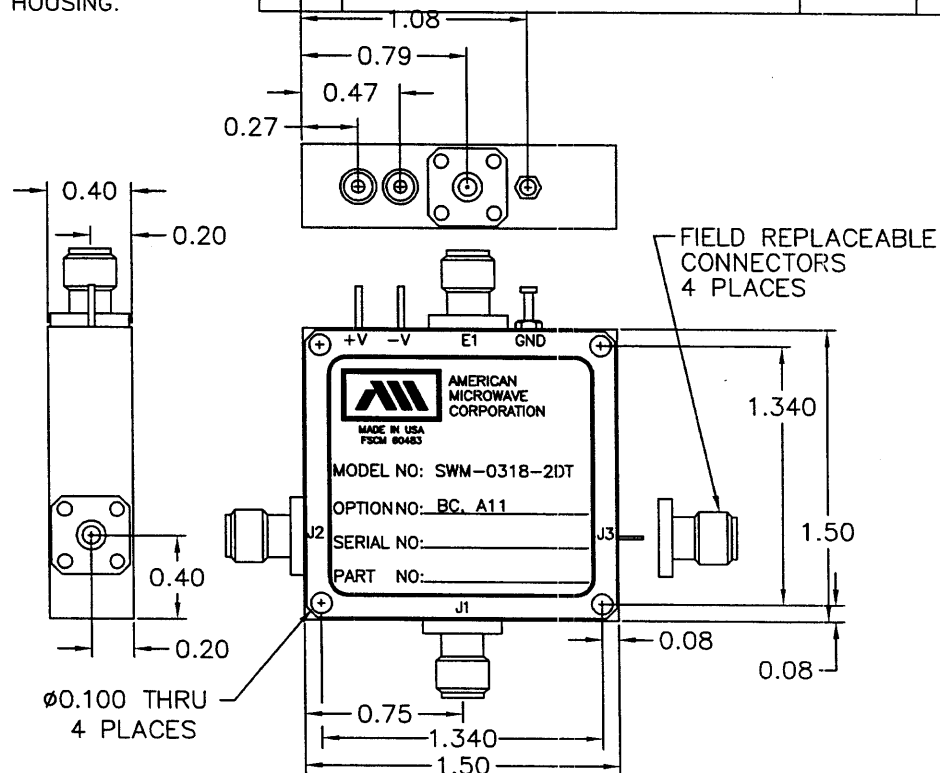
- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

LOGIC TABLE		
E1	J1-J2	J1-J3
1	ON	OFF
0	OFF	ON

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ± 0.020
X.XXX ± 0.010
WEIGHT: 1.5 oz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# 409227	10/19/04	ESL



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APPROVALS		DATE	TITLE		
DRAWN	898	10/19/04	PRODUCT FEATURE SWM-0318-2DT OPTION BC, A11 0.3 TO 18 GHz, GaAs MMIC, NON-REFLECTIVE SPDT SWITCH		
CHECKED	ESL		SIZE	FSCM NO.	DWG NO.
ISSUED			A	60483	100-7156
			SCALE	SHEET 1 OF 3	

