

# E-Series 3-Way 0° Power Divider 5 - 120 MHz

#### ESSM-3-1-75

#### **Features**

- \* 3 Way
- \* 0 Degree
- \* Surface Mount

#### Specifications @ 25°C

Frequency Range	5	- 120 MHz
Insertion Loss	Typical	Maximum
5 - 50 MHz	0.2 dB	0.5 dB
50 - 60 MHz	0.2 dB	0.5 dB
60 - 120 MHz	0.25 dB	0.6 dB
Isolation	Typical	Minimum
5 - 50 MHz	37 dB	30 dB
50 - 60 MHz	40 dB	35 dB
60 - 120 MHz	36 dB	28 dB
Amplitude Unbalance		Maximum
5 - 50 MHz		0.1 dB
50 - 60 MHz		0.1 dB
60 - 120 MHz		0.2 dB
Phase Unbalance		Maximum
5 - 50 MHz		1°
50 - 60 MHz		1°
60 - 120 MHz		2°

### **Operating Characteristics**

Impedance	75 Ohms Nominal

# **Absolute Maximum Ratings**

Parameter	Absolute Maximum
Maximum Power Rating	1 Watt
Internal Load Dissipation	0.125 Watt
Pin Temp ( 10 sec )	260°C
Storage Temperature	-55°C to 100°C
Operating Temperature	0°C to 70°C

SM-4	EC TOP VIEW (12.44)	0.37 (5.05. (9.39)	25	V2.00
		(0.869)  BOTTOM VIEW  (5.84)  0.100  (2.54)  -ORIENTATION  DOT	0.060 0.100 (1.52) (2.54)	0.120 (3.04) T/P

Function	Pin No.	
Not Connected	•	
External 75 Ohms	-	
Ground	2,3,6,7	
Case Ground	-	
Input	8	
Port 1	11	
Port 2	4	
Port 3	5	

## **Additional Specifications**

I/P RETURN LOSS 34 dB TYP 28dB MIN O/P RETURN LOSS 25 dBTYP 20 dB MIN.

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M/A-COM, Inc.

Specifications Subject to Change Without Notice.

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