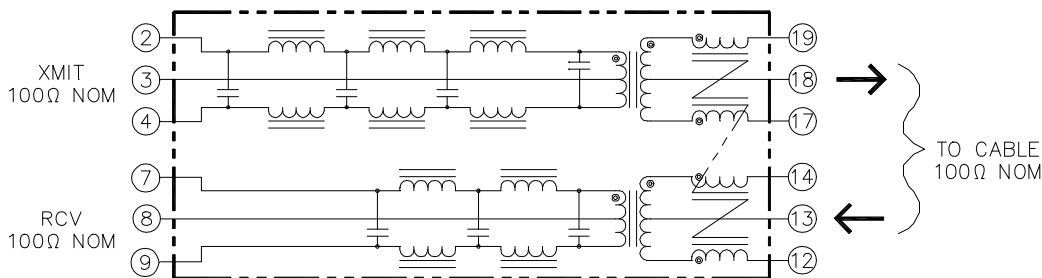


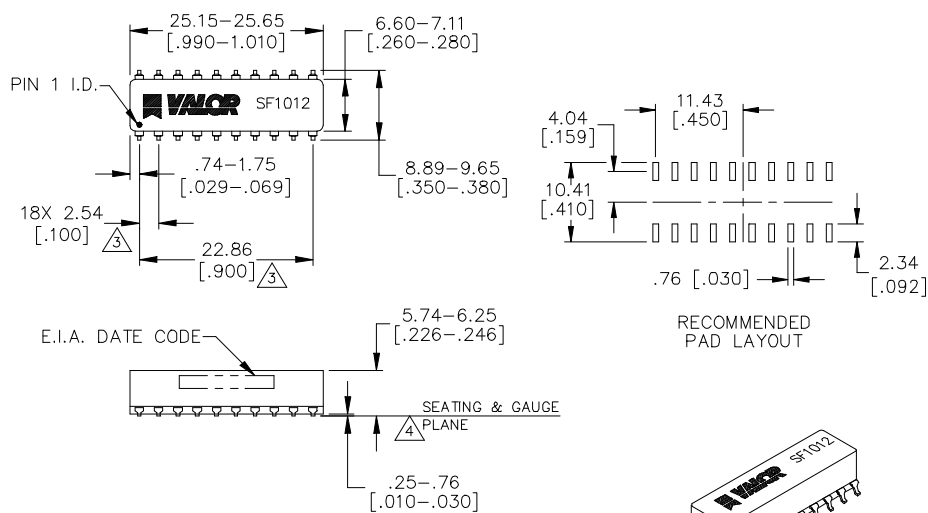
## Electrical



### ELECTRICAL SPECIFICATIONS @ 25°C

|                                         |                            |                            |
|-----------------------------------------|----------------------------|----------------------------|
| TYPE                                    | TRANSMITTER FILTER:        | RECEIVER FILTER:           |
|                                         | : 7 POLE,                  | : 5 POLE,                  |
|                                         | BALANCED LOW-PASS, 100Ω    | BALANCED LOW-PASS, 100Ω    |
| *CUT-OFF FREQ                           | : 17MHz ± 1.0MHz           | : 17MHz ± 1.0MHz           |
| INSERTION LOSS (1-10MHz)                | : 1.0dB MAX                | : 1dB MAX                  |
| *ATTENUATION @ 20MHz                    | : 7dB MIN                  | : 6dB MIN                  |
| @ 25MHz                                 | : 19dB MIN                 | : 14dB MIN                 |
| @ 30MHz                                 | : 30dB MIN                 | : 20dB MIN                 |
| @ 40MHz                                 | : 32dB MIN                 | : 31dB MIN                 |
| HIPOT                                   | : 1500VRMS FOR 1 MINUTE    | : 1500VRMS FOR 1 MINUTE    |
| COMMON MODE                             | PINS 2,3 & 4 TO 17,18 & 19 | PINS 7,8 & 9 TO 12,13 & 14 |
| REJECTION (1-100MHz)                    | : 30dB MIN                 | : 30dB MIN                 |
| RETURN LOSS (5-10MHz)                   | : 15dB MIN                 | : 15dB MIN                 |
| TRANSMITTER TO RECEIVER CHARACTERISTICS |                            |                            |
| CROSS TALK ATEN (1-10MHz)               | : BETWEEN CHANNELS         | : 30dB MIN                 |
| HIPOT                                   | : 200VRMS FOR 1 MINUTE     |                            |
| PINS 2 & 4 TO 7 & 9                     | 17 & 19 TO 12 & 14         |                            |
| *REFERENCED TO FILTER OUTPUT @ 5.0MHz.  |                            |                            |

## Mechanical



△ COPLANARITY: .10 [.004].

△ LEADS WITHIN .13 [.005] RADIUS OF TRUE POSITION AT GAUGE PLANE WITH MAXIMUM MATERIAL CONDITION AND UNIT INSTALLED.

2. LEAD: SOLDERABILITY PER MIL-STD-202, METHOD 208.

△ CASE: BLACK PLASTIC SELF-EXTINGUISHING PER UL94V-0.

NOTES: UNLESS OTHERWISE SPECIFIED

WEBSITE [www.valorinc.com](http://www.valorinc.com) E-MAIL [marketing@valorinc.com](mailto:marketing@valorinc.com)

**NORTH AMERICA**  
tel 1-800-31 VALOR  
fax 619-537-2525

**ASIA/PACIFIC**  
tel +852-2953-1000  
fax +852-2953-1333

**EUROPE**  
tel +44-1727-824 875  
fax +44-1727-824 898